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ATTORNEY DOCKET NO. 01123.0004

SEQUENCE LISTING

<110> Rubin, Donald H.
Organ, Edward L.
DuBois, Raymond N.

<120> Mammalian Genes Involved in Viral
Infection and Tumor Suppression

<130> 01123.0004

<140> 09/509,712

<141> 2000-03-31

<150> PCT/US98/21276

<151> 1998-10-08

<150> 60/062,021

<151> 1997-10-10

<160> 127

<170> FastSEQ for Windows Version 4.0

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<211> 925

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 925

<223> n = g, a, c or t(u)

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tcaccagac	gaaagccgaa	agntcggga	gtcctaactn	tagtcntga	aagtcattcc	420
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caacagaaaa	caaggcagag	tggaacgaag	gaaagtgcgt	ggccgttaga	aagcctgtct	660
cgaatctgtc	ccacgtgcct	caggtagcgt	tccaaacagc	aaagattcta	gtgaagaaaa	720
ataccgtccg	gtcaattagt	cagggtggaca	gagcaggacc	cgggtgtctg	gaagcctcgt	780
ccattcctct	ggggaagggtg	ggggggggcg	tgtaatgcag	ctctcaagaa	gaaggatttt	840
ttgttttctc	ggagaaactg	ccatcccagg	agctgagagt	ggatcagtag	gaaggcctgt	900
gacaggaagc	agggaggttc	agcng				925

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<211> 554

<212> DNA

<213> Rattus norvegicus

<220>

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<222> 1- 554

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gggatggaga	gaggtaggga	atccagntgt	aagtcccaaa	ctgccaccac	cttcatnaga	240
actgcttcgt	gtaaggtcac	gcaccgggcc	agctgtccng	agtggcggtc	ctggcgtgtt	300
aagttagcta	aagtnactgc	aactccgnct	gtgcagactg	ntcgtaaatt	ctctctgtcc	360
gccaaattct	ccctcctatt	aaacttttca	cttcctttca	cttagtttcc	tnacttcttt	420
caaacggaag	ctgttaactga	gcctgccacc	cnganacntt	gtggttgcca	tttttatgct	480
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<213> Rattus norvegicus

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<222> 1- 878

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ntggtngggg	ggggagggac	nccacagan	tcatnggtg	gttngggngg	ngggcatcgt	180
tnngatatta	tcacattntg	ngaantatg	tnggggcttc	ctttcngaca	ggtggtggtt	240
nnacangngg	atgtgtgctt	cttttttcag	cagtgggtga	cccggattct	aagaccctta	300
cngtaacaat	gccctntttt	cctaagccta	accagtcctt	tangaggant	gctcttggn	360
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ttntnggagc	tcagcttatt	cccttccent	cccatccagn	atctccctgg	gntggatgag	480
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taccttgacg	ggttctcaga	ggcttttacg	cattaataaa	catttgaaatc	ntaagaaggg	660
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cgcagctggg	ngtgggtggtg	tgtaccttta	atctcagcac	tgaggaggca	cngatatctc	780
catctctgtg	acttccagac	cggcntcgcc	agagcaagtt	ccaggccacc	cagatgagat	840
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agatttnaag	gtntttgcc	ccccggcttt	tnntccctn	ntttccccc	nagntttaaa	240
accggtntgg	gttnncnntt	nnttgnancc	nccnattggg	gtttccgntt	accnggggtt	300
ttccccatgn	ccgttccctc	caatnttgna	cttcccnngt	cnggggccna	atnccnngna	360
acngntcnan	ccttattgac	aattaatttt	tccttgngna	ntctgncccc	cngnnttttg	420
gggttcttgg	gngcagggcc	tttttttct	tggnggcaan	cncataaatn	ttaccagntt	480
gattgctaag	gaagtancca	tgggttngaa	cccccccttn	ttntctccca	gatggaacct	540
aggattttgg	aactgcagag	gcttcagggt	cttgggaagc	ggaggcagnn	aaagattgga	600
gtgcactgtc	cttttgcaat	atgggggttg	cctgcctgct	ggctctcttc	ctgctntntc	660
agatggtgac	tgaggctact	tcngcaggac	tnggaataat	catgtccagg	tggctgccct	720
tccgagcaga	aagggacaga	cgtggggcga	tgaagtgtgt	atcgtttntt	ttttttctg	780
cacagactgc	aaagtgtgca	gagggagggg	ggctgtgcaa	aaaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	ccgaggacgc	agaagttaga	ctgctgacct	atttggtgca	tgtgtgccca	900
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acgnnnctcc	caga					974

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 <213> Rattus norvegicus

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gttaggggga	cccgngggaa	aattttaaaa	ccnngngggc	tttttcgaat	taaggggaaa	180
ngcggtttng	gtnnntgaag	ggcggngngt	tggagtcnna	gtccagagtt	gatttccacc	240
cacaaatntg	ggaggtgncg	gggaatgntg	ncnttttctt	gngatgaggg	ntgccgtnc	300
ggantaacag	ngnttgcntt	gtntngcnaa	acgaagagtn	tcctgnttgg	aataggngtt	360
cngttcgang	ganccagatt	tangngntgg	agnaaggatt	nggcagataa	angcntgaga	420
natgnancnt	ggancaggtc	ngngcnngn	ntacagatga	tgnnccana	canganataa	480
ntncagatca	cagtcgtacc	cgnggctggg	ccatgaanag	ggcatcccca	gacnnacaca	540
ngccttnana	antgntcaga	gaaccancag	tggntanggg	ntgcccnnnn	naccagggaa	600
gacccggggc	gtgncggata	ttgacacanc	agatnncatt	tggggncggg	tcgaggggtt	660
atgntcnccg	agtaacnagan	angatcntcc	aacccggaat	ncgggtgctc	ngtcgtccga	720
tgnaatgagt	cgncgggnaa	cctcatatcc	aagaaacnat	acagcagtg	nntccgagtc	780
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aagtngaana						850

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ananacatca gagatctctn gnacagtgtt tcacaagagt ctatcncana gagcacatct      180
gcccggggng anacacaact ctaaagtgtg ctcanntgat ctctctnttg tgtctctnac      240
atatngggac atgtctctcag agtatnggnt ctcttgngcn cttntgcaca cacacacaca      300
cacacacaca cacacacaca cacncttctc tctggcacag ggntatggca naggacatnt      360
tnngagntca nagctntata tgagtgtgtg gcgaaaggng tnatnanann gacnncccca      420
gcnnatatag gggggngnnc tctngggctc tcttnggnaa tntgngggng agtctgcnc      480
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aaccncgggg nctcntgttt tattttaaaa aaaaagagtc ncatgtntat ttctctnatg      180
tgaaaatcnc attcanagtt ntgggggttc ccntgaggag anataagatt tcacactctt      240
ctctccgagg ggtentcnca tgtntctccc caatgtgngn ggnacacaca tgngggcccn      300
agggggtgng ctctctctgc ncagggcnc ccccaanang tagaganaca ntgtggtgtt      360
tcacaacaca attcncgaga nattntgttc cncantggnn gtctnagntc ncatgttgtg      420
gngacangtt agnnncccc atnttcnccc ccccttcaca ctgccccnag agagagaaan      480
tctnggcccc ctctanannt ntttttaaat cnccccnac cacaggtnnt cccagggtat      540
gngacntcnc cnncccnncn aaagatntgc nc                    572

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<210> 8
 <211> 906
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 <213> Rattus norvegicus

<220>
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 <222> 1- 906
 <223> n = g, a, c or t(u)

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agagcccccc agaaancccc tntctcaaan aaagagaaag agaagancga gnagnagaga      180
gananagaga gagagagtgt ggancntntt cctcngancc ccannnnanan ngtgnggnc      240
actcncnngt gnnngnacc ccnggggatt tncgcgtgtc cccttgngct ctgtntanga      300
gananatatg tntagtctct ctntcgcccc ctccgntgtc acgtgtgcgg ggcccnngag      360
acacagacac ntctctcang gggaaacacat anngactcnc acntgtgttt atattcnccc      420
ctcccnctca cacanacaca cacacagnag atattnnngt actctctctc tgtcacaggg      480
gtacanattt antctnggcc anacccctct cngaagnngg ggcanngtaa accccgcccc      540
ctctcngaga angngagggc gntttacntt cccngtgggc tgtncgngcc cccgagactc      600
cccttngnac cccctntna accctctntt tgaacncaac ncacntcccc cnttttctcg      660
gggnngncc ngcncccnc tcncaaaaa aaattnnaan ttngtcccc nccccntnt      720
ttcnggnana aaccgtgtcc ggggggggan nactcttttt tgnccctaaa atcaantttt      780
ttcccccttt ccnggggacc cccgnnttcc tttttaaaaa aaaanaaccc tttctccctt      840
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<210> 9

<211> 914

<212> DNA

<213> Rattus norvegicus

<220>

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<222> 1- 914

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ttctcnantc tctaaaagng cnaaaagcgc ananacacgn gcctctctat anatctcacg      180
tgtcccnngn nctctcngac ccctntctg tntgagagac accctntctc aaaatatagt      240
gtacacgngc tttgnggctc tccccctttc tctccactnt tgagngngaa acgcgnggtt      300
ntctctgaga tgtaganagn gtccctnct cnatatatgt gttncctact ccnnaggngg      360
tctcataaaa atcnentntc tcaacaccac cncctcnacc cccncacga gaacacntcn      420
ccaccnncan gacacaaana naaggngtnn anaacccan aaaaactnng ntntcngntt      480
tacacacaca cacacncacn ctcnncaca cccccacnna aatgggagaa aaaacagaga      540
ggngtgggtg ttngnntcaa cacntntta cctctctgnt gnnanttgag aaaatatttc      600
tntncttacc cctctccctt ctctgtgtgt ngannatct ngntctagat gtcctnacc      660
tcccaaaacc tttctcnggn agagaentct ctntnttttt ccccncttc catttgaaan      720
anangagaag gnccaaaaag gngggngtct tctcggaat ncncctttt ggccccccaa      780
cctgggtttt tttccccctt ccttttaatn antttttcna nacaaanctt tnnnggttt      840
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<211> 400

<212> DNA

<213> Rattus norvegicus

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 gtgagatata tgtgattctg tgggtgggtt ctcagagggg gtttgggtta ttggggataa 180
 tagtttgccc ctgcggggt ctatatattat atatgtgaca caatatatta gagagatttt 240
 tggttatata tatttcctt cgcggggggtg gagatttatc acagggggag agcttttccc 300
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 aaaaaaaaa agggccctc ttgagtgatg tccccttctt 400

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 <212> DNA
 <213> Rattus norvegicus

<220>
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 <222> 1- 880
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 cgaaatttta aaaaccgtcg ttagaggaaa tgaaggttca gccgaccatt acctganagt 180
 aatgaaggtt ttccggaggg ttgccttcca atcccagatg gatttgagtt tcaggatcaa 240
 ttcagttacc gntgaccatc caccnnctc cngtataatc attngatgag gatgaatggt 300
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 gtaagcttga tttgatttcc actgctgact ggagtcactg ccaagggatt tgggacttct 720
 ccattctct ctctaacctg aaatccttag gattctatta tttcaccgga ccagagctgt 780
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 <213> Rattus norvegicus

<220>
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 <222> 1- 909
 <223> n = g, a, c or t(u)

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 nngngagnaa cgggcgggan cnnnngacga gagaanggn aggggancga agngcggngg 120

nagacggtgc	nnggggggga	ggggcaggag	nggnagagag	gcangagngg	agnggggaca	180
agcnaaaanc	gaggaggnan	gangngangg	nnggngngnc	gaaggcgcn	aagnnggtcg	240
gngagcggna	gnngnnaaac	tggggaacga	gacagacggc	cccncggng	gcangnggga	300
gagnnncgcc	agngagagna	gncagnanca	gancanggga	ggggggggan	ncacnggcgg	360
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ntnncgtang	tngantgacg	gaggccngna	atngggccgn	gccanncnag	ggcgagaggg	660
cccaagngcg	gnaggngnaa	gnanaganc	ngnnggtngg	gagnganagn	gcnnngnncc	720
nacccccngn	gttganggc	cccacgncgg	ngcaggccgn	nnaaagngag	tccccnaaaa	780
nntcgnggt	tnacancgnc	ccggggncgc	cgcnngtcc	cgncacacng	ganncggag	840
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gaaaaagnc						909

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 <222> 1- 927
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tttnaaaaag	ggcgncnat ataaangacn ttcggggggg tttgaanagg gccggaancn 180	
tcgacgggtt	tccggngggg ganaaggana agggnacgca cgggatttct tnccctttt 240	
tngcaaattg	cngcaggana ccaccgggtg gggnggtttt gttttccgtn aagaaagcgg 300	
gngtgaaaa	acanggataa acgggaagan ggggttattt nggttagnaa ttgnttccag 360	
ngnggccagg	aaattggcct gtccaaaatt cttttccng cttttaagac aggcaggtat 420	
tatttggcag	caggttatta cnataggnaa gtaaataaca atgggtaagt gcctggcaca 480	
ggccagggtg	agtagggcat gtatggaatg ttaaacatta cccttcatcc tgagaaanaa 540	
aanacaagna	anaaaggctg gtctcacata tcccaaagct ttatcttcnt aggtgcccc 600	
tggtgaacgt	taagccaagc ntatgantca caaggacga catgggcagg ntagggtaca 660	
gaatcagtgn	tcagagactc caggggcacc cctgattccc tttgctgtca cacagacact 720	
gctccaggga	caaccctccg gatgtgagta tatgacttcc tgatgggtgac gctgccgtga 780	
tgggacactc	ntcgtggtag cacacattcc tcagtcagct tctgagcnc aggggtcccag 840	
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 <212> DNA
 <213> Rattus norvegicus

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 <222> 1- 848
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tnatttnaan gggngtagtt tctggtnngt tcatttccttn aaaaaaaaaac aaaacaaaac      180
aaaccgnagc ttctgcattg gccaccngtt gnggcaccaa cccttnangc attgcccttt      240
ccttcctgcc gtgtcgggng gcgctaagcn gcccttgta ccttccattt ntngatcatt      300
ttccatgtcc ttgcacttct gcttccactt cntgttggtg gacgagctgt atgntcagaa      360
antgaagtac aaggccatca gcgaggagct ggaccacgct ctcaacgata tgacttccat      420
gtaaagtgtc atgcaccctg cctgcttgca ccctcacnt catgcttggt tgatgacctc      480
accgtggctc cccannann aaaananatc catgtctgca ccttttgttg gctttcttgc      540
ataacctagg ataggttatc ttttccacgt tgcactaaca aggccacgcg cattcgggtcc      600
gtgaaaccac ctcgcatcc ttttatntca tagaggcaaa tntagcttgt ttctgccgag      660
agatgacctg gactccgaat gggctctgag tatntccttt taaaacctta aaccagantc      720
aagtaaagtt aggaagccat gaggcagtgg tgcaggaggt taggaagaaa naccgggttg      780
ttggtttcct gggnctgggg tgagggacca ttgatagacc ttacgaaan ganccgang      840
atagaaaa

```

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<210> 15
<211> 896
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 896
<223> n = g, a, c or t(u)

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```

<400> 15
agagaaaaag gaaanannga aagaaagagg agnaaaaaana aagaggnggn aanaaagaan      60
agangnanaa agaananant nngagattac gaantcgggg agagnгааag gaaacaaagn      120
ngngngnaaa gagnnanttn tttcaagggt ccgnaacaaa aagttgagng angattccna      180
acaagggntn nccacccaan ctgntaaagg gangatttgg ncaaacanaa accngtattg      240
gggagttaaa aagagtcacc aaatagggaa aaaaagttng ggggaggggn aacnacnggg      300
taaaggttcc aggaccagag ngttcagnac caagtttcag tattcaggag gacagagttc      360
aggatcnntt tggaacattg gggtttgggt agcntggnaa cacgaaccct tttgttcata      420
aaaaggaagg gaaaagaaag ggnngaagag tnttcccaga tgnattntga gcagagaatg      480
cccgaccccc cgaatacgta gttccaaaat gggattgnac ctgtttcacc tcaaatttca      540
ntntccttc tngtgacag acgcagggat ggggtcgggg aagggngaa gctggtgcgt      600
gttctgtggt tgccggtgga tgntctgcag ctgtntaccc caccgaaaac gaatggatgg      660
gatgtcactc ccaggcagta gggggcgcac gcgcattgtg ttntagagag anttcccag      720
cctccccngg aannacaaca cgttntcttc ttcttaaggt ggtggtgggg ggggggggga      780
agacctattg ctttccgaga ggatcggacc aaacagcaga ttntgctcaa ggcccttgaa      840
ccctgntatc tactaaaaca tctgagatac tgacattaca gatacggata tcgtgg      896

```

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<210> 16
<211> 858
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 858
<223> n = g, a, c or t(u)

```


<400> 16

gccaatcaag	ttncgggttaa	attttggaaa	ngngggcgaat	gcnnrtgtctt	gnnggattttg	60
gagggnggaa	ngtnggttaa	agagttttta	tggtcttggg	atcgcaanta	ttttcctggt	120
tcgcgncttg	tacattatga	gggttgataa	cngetgtttt	tngatttttg	ttaacanggg	180
ngggngcntt	tttngngtga	cctntagtnc	ntcngngccg	ggcatttttg	ntaccttttt	240
atttttngaa	gtncagggat	gttgtgtact	gggaatattc	cttagaagtg	accatgattt	300
tatatattat	taaatatata	cttagattca	ntctttgcct	aagcctggat	gttgttggtt	360
tttgtttttg	ttttgttggt	nggagagttn	tcattttccc	aagctggctt	tgaacattca	420
cttccacaca	aacatgtcca	cacacgggca	aagggtgatg	cacagatatg	gacataaac	480
acacagagaa	gaatnacaaa	caaacaaaca	aaatatattc	gacagaaaca	antaaatata	540
tccagaaggt	agaatattct	acaaggcatc	aaatctgttc	taaagaaaaa	gttataataa	600
agaaaaacat	tgaaggcag	gtgaaggaga	ttgaaggcca	tagggggccac	aaaaagggtt	660
aaacagcaaa	gcaccaacgt	agatatccgg	aacgtgctaa	atatggcaca	cacaggatat	720
ccgggaacga	tgagtcagcc	agcggcacat	ataaccaacg	atgtaatctg	ttatgtaact	780
atgaatcatc	cctggcagag	tgccaccttt	gtgtgatttt	tgtataaata	tgccccctgag	840
accagaagcc	attgcctt					858

<210> 17

<211> 551

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 551

<223> n = g, a, c or t(u)

<400> 17

ttntctgtac	ccccttctca	aaaaaagtgg	ctgggtgnctt	ttctcngaag	agaatcctca	60
ccnccncana	anaaatatct	ctctcccccc	cttggtgnnt	gtcncccnnc	ccaaaantgt	120
gngatctntc	tctctgtgca	cgaganattt	tagaggggga	tatccccggg	gtgtngccng	180
tgtctntcct	ctcgcggaata	tctttangag	netctctctc	tcganccccc	agngtaggnn	240
gagngganaa	cattttttntg	tgngngggccc	ccacaananc	acnaacaana	tattttcgag	300
aancncatgn	ganaatcggg	ggggggggggg	ccngtgttna	cacnatanc	ngggngatna	360
nanagacacn	nnatatntct	gggntgtgna	aanataanac	aagancanac	atgngggagan	420
natgtgagan	tgtgcacacc	ctgttgtgac	atgtgaggtg	gggggctgat	gatncctncc	480
ttctacgttn	tntcttctcc	tcncantga	tagacnccac	ctgctggagt	gnctagctan	540
ctggggtcgg	t					551

<210> 18

<211> 888

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 888

<223> n = g, a, c or t(u)

<400> 18

gttaaataatg	aaaaagtggg	ggtgacaggg	ggtgataccc	tttgcgccgg	gctatggatt	60
tttggcaccg	ataagatttt	caggtgacat	ggaagggtgt	tggggatggg	ggaaagtgtt	120

gaggggcca	aaggataagg	aggatgattg	attggtttgg	gagcagtact	tggaaagagt	180
gtgtttgatc	ggtaaacaac	cacgtgtagt	gtgtttttgt	tgcagcagag	ataagtgaga	240
aaaagatttc	aggagatctt	gatttttttc	gggtcgagct	atgttggggg	atgtgagggg	300
acaattcaca	agatttggtc	acagggaggt	ctaggaggtg	gtcccattag	ccggtagggg	360
ggttttctca	ataaatgggt	tcagtcaggt	gtttgcctag	atctttcatt	agttcctccc	420
ttcaaagga	ttttgaagga	gtgctttgtc	ctgtggagca	attgactcaa	tcaataaact	480
taagtaatct	cccggattac	tgttgatgcg	ttcccagaga	ggtcccccgt	agttaccagt	540
gaatcacaat	ttcctaacca	tatgattttt	gttaatctca	ccacataaac	ccacaattct	600
cgcgtccttt	gtgatgggtt	caaagtctgg	aatatttttt	cctccatccc	tcctttcctt	660
cctcctttta	tcctccctt	ccttttttcc	tttcacagga	tctcattatg	cagcccagtc	720
aggccttaaa	cttgtgatcc	tcctgtctca	gcctcctagg	tgtaagatg	acccaaatgt	780
aaaccatgtc	cagttacttc	ctcctaattc	catcttcaga	tatcctttaa	gaccaaatta	840
aatattaact	gaaagacccc	accagtaggt	ttggcaagct	agcaaaga		888

<210> 19
 <211> 867
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 867
 <223> n = g, a, c or t(u)

ctttttctaa	attttttaac	gggggaaatc	aaacggcaaa	aaagaggggg	gaccacctca	60
atcaccacac	gtggaaaatt	ggtgggtatc	aatcaggtgt	tattaggggg	ggaggaatgt	120
tggggaacaa	aaaaaaaaatt	ttaaaaattt	ccaggggggt	tttgaaggca	ggtgatatta	180
aaaccgcccc	tcagtttaagg	gggtttttatt	tttttttaat	aaaaaataaa	attaggattc	240
tggaatagaa	tttttaattc	agggatcctt	atttttaatg	tttccagggt	aaaagggaga	300
tattcttatc	aggtttctgg	aaaaagtttg	cttggtttcc	tttggcagga	gagaggttta	360
aaaaagactt	catttgaact	ttttgatcat	tgtgtaaaaa	tttttttttt	gaacaaaaca	420
ataaaatgta	aaaagatata	gatccttaggt	tttttaaaa	acaaacatat	aaaatattaa	480
aacagattgt	ctgtcccatg	caaatgactg	actgaccttg	taacagctcc	acagagtgtg	540
taaaaacaaa	aaaaagcccc	ctgagagcct	tgagccatca	ggttaagtct	catttattaa	600
tattttcaag	gccacaggag	acactctgtt	cccttcattt	aggagaggtg	tgaggcagcc	660
atgttttccc	agcagtgggg	gttgggcaga	gccactccag	attggcttgg	aggggtgtgt	720
agctctcagt	ctgcccggac	ttggatgggt	tattttctta	aacgaaaaca	cctgcctgag	780
aaagagccct	tttcacgggg	tggccaagtc	ccagcccgcc	ctgggagcca	aggtcaagtc	840
ttagcttagc	gttctaagga	cacagat				867

<210> 20
 <211> 897
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 897
 <223> n = g, a, c or t(u)

aaaggggnanc	aaaaccntaa	nggggagggg	nggggaaatg	gccaaaantt	gggggttaaaa	60
aaagtttagga	tntggttgga	tcnaccac	aaggaatttg	ttnttaattt	tttaaaggna	120

aatttgggca	cttcnattgg	gaagggttaa	acccaggcaa	gtgntaccgg	gntatgcaag	180
tgaacntga	ttctgngngt	ggaggggaag	atantganat	gtgagtga	gcagttgagt	240
gaggacttgt	gagnacaggt	catgcccacc	aaagggagga	gcaaggggtg	gcagtggtag	300
gtggtgtgtg	gttcctttct	gggggntggg	cggggagaca	gatgagaacg	ntattggagg	360
acaggnacaa	gtgtactgaa	atgcaaatcc	ctgtagatct	ggaaaagggtc	tggnttcagg	420
cttgatgctt	gggccggcaa	ctgtgnacct	tccctgnacg	ttcagcccc	ccacccttac	480
ggaagttttc	gtcactgaag	actagtggct	aatcagagtc	ttcaatggac	ctgccaatca	540
gaaaggaagg	cgggntnttc	cgggtgcnta	ggtgtaggat	tcgctcagta	gttaagcagt	600
cttaactggt	tctggctgct	gtgctntctg	tccctgccgtt	ggattntctg	aggcatgttc	660
aggcaagctc	caaagtgtcg	acatggtgag	cacaggggca	gggggggcgg	gcggacgggc	720
aggggactga	gcagtgagg	ctggtgtggt	gggtctttcc	cggggctgag	ttggaatccg	780
cggctacccg	tgaggcttta	gccactcact	agaccagcg	gcagtttctg	aataactttc	840
nttgtagggg	ttggnactcn	gnaaagactt	ccacnaaggn	cttggcaagt	agaaagg	897

<210> 21
 <211> 435
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 435
 <223> n = g, a, c or t(u)

<400> 21						
gattccagag	agaggagtga	actggcagat	aaggcagtc	gcataatggc	ttagatacca	60
tgtgctttcg	ctcactatgc	acccatgaca	caagatcaca	gggtacaggc	ctggaccatg	120
gcagagtata	cactgggttg	gtaaataaag	aggagagaca	gagtgggaag	tcggcttagt	180
ggatatggac	ttcaaatttg	atgaacaagc	aattcaaattg	agtatcgtgg	gcttgantgg	240
tatgaagacc	cgtttgcaaa	gcagtggtca	taagagagaa	aagagagaga	gagagagaga	300
gagagagaga	gagagagnaa	gagagagagn	gtgtgtgtgt	gttgtgtgtg	ttgtgtgtta	360
ttggttnata	acaanatnta	cctttgggcn	ctttnagaag	actntncaca	aaggagcttg	420
ncaagctaga	aaggt					435

<210> 22
 <211> 894
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 894
 <223> n = g, a, c or t(u)

<400> 22						
gaaaaaaaa	aaannataat	tttaattttt	ccccatttn	aagggaatn	ggaaattaaa	60
natnggtttt	nagcccaatg	gaaattaaaa	ttaagaaggt	tgttttccaa	aaacctttcc	120
ctagaggana	accggccnat	aggngggggn	agnatggaag	gattttccag	agaggaatca	180
gtttgngnag	agaatttgat	aaggagttcc	ttggaaccaa	ccnggagggg	gttttggttt	240
nngggattna	tcangatggt	tgtccttggg	aagcataagg	ntggtttatt	attttggtta	300
aaggggatga	agtaccntgt	gttgcaactg	gtagcccaat	gtcctgtcat	tgtgctttgg	360
atgtaggcag	ctttgaagg	attntcctg	agaggatctt	ccggatcaga	gtatatcgcc	420
ttttcttggt	gaggcccat	agtggganc	cgcacttcac	catttctttt	ccgcccgccc	480
cagttcggtt	ntaaccacc	cgcgtggcca	cgatccagg	gacatagcgg	gacaggcccc	540

gcagtgcggt	gacacacgtg	ggcacacccc	acctgtgcag	ccggtggctc	gcgntgaagg	600
acacgaggcg	cgacaatcgc	gcgcggcgcc	gaaggccaac	cgccgcgttc	atggtnntca	660
gaccaaagac	ccacaagnta	cgggttcggt	tttcggggac	ngaggccagc	ccggttcccc	720
cgcgntgcg	cagtgcacaa	tcggccttcc	ccgcgggaag	tactcctggg	agcgggttctg	780
gcgcgtggca	cttttcgggtc	cacctggagg	caacactggc	gcentttcct	gtttcagttct	840
ttgntaggct	ataagtgaag	gacccacacn	gtagggttgg	caagctagcn	aaag	894

<210> 23
<211> 594
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 594
<223> n = g, a, c or t(u)

ccattaatgg	ggnggggnaa	agggatagg	atttgggcn	gnnggttant	ggggaagtgg	60
gattttaagg	aattcccaa	aaatattgat	tcttccaaag	tattttcctt	catttcccaa	120
nagagtaatt	tcaaaagccc	cagntttgtg	gaatcanttt	ttgaanatat	gaaaaggccc	180
taatggtttc	ggcattatta	aggcccgctg	aggacactgn	tcaagttact	cttgaaggc	240
gtttntggca	gaaacagaa	agccccgttg	gcacggacag	tgtccactgt	ttatctataa	300
atcttttcaa	gcagatcttg	cagccaacta	ggtacaagag	tcggatgggg	atggggggcg	360
gggagtcaga	gaggtcggaa	caatgaggcg	gaaacaaaa	ntntgaaaca	cgcccacctg	420
aacaggacga	aagggtgggg	cttggtccac	ccagaaggaa	acctcgaact	ccacntttca	480
aggtatccgc	tcggggttag	cagccccggc	caaacgcccc	tgctggcttc	taaccaaac	540
agctacgaaa	gcaggctnga	ccactagctg	ncctcgactt	gaaagtcccc	acaa	594

<210> 24
<211> 586
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 586
<223> n = g, a, c or t(u)

atccaatnat	tgggagtagg	acaggggatc	gggattnag	gccagttggg	ntagtgggat	60
gctgggaatc	ttaaggaatc	cccaanacat	atggattctt	ccaaagtatt	ttccatcaat	120
tccaaataga	tgtatttcaa	aagccccagc	tttgtggatc	agtttttgca	ntatatgaaa	180
aaggccttan	tgnttcggga	ttattaaggc	ccgctgagga	cactgttagg	gcgcntcaag	240
ttattcttgg	aagggtttct	ggcagaaaca	gaacagcccc	gttggcacgg	acagtgtcca	300
ctgtttatct	ataaatcttt	tcaagcagat	cttgacagca	actaggtaca	agagtcggat	360
ggggatgggg	ggcggggagt	cagagaggtc	ggaacaatga	ggcggaacc	aaaantntga	420
aacacgcccc	cctgaacagg	angaaagggt	ggggcttggt	ccaccagaa	ggaaacctcg	480
aactccacnt	tcaaggtatc	cgctccgggt	tagcagcccc	ccaaacgccc	tgctggnttc	540
taccaacca	gctacgaaag	caggcngacc	actagctgac	ctcgac		586

<210> 25
 <211> 909
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 909
 <223> n = g, a, c or t(u)

<400> 25
 ggggggttgn aaattgagaa gcccnccttt cntctttgtt gtgaanacat ttncctntcn 60
 ggggatcccc tnggttccgg aagggccgcc ttagttnttc ttttcctcca cctatgaaaag 120
 gggngggagc cgattaaaag aagggnggag cagngaggga agcggagcct cgcccgtttt 180
 ccgnaccctt aaccctgctt gtccgggggg ggagngtgcc accnaccgag gngnggtggc 240
 acggagatnt gagggggagg gatggtttgc cntggccgct nggtgggtggg cgggcaggcg 300
 ccggcattcc cggcaccttc ngaagacnga gccgggttca gggacnnaca ntccccgcca 360
 agngggacca accgcttcgg gtgggttccc cgggtgtntg gtgcccaggc cgnacgccgn 420
 gacngaggga gacccaagga cntagantca ccggtgagcg ggccggcgcc ggagagcgga 480
 aagaggagcg tagcacagcg cagntcggcc agacgttgtt cttntaccac ccaccgagcg 540
 tttaaaaaaa anaaaaaaan cccgcggcag cggacttttt ttgtagcgga gcccgggcgn 600
 gtcacttgcc ggaagtcccc ccntcgttt ctgccaccgc ccntcgttta cctgggcaac 660
 ggcgcggggg cggagagtgg ntgcgcccaa gggcnttgtg ggggtggact caggcccggg 720
 tccccgatcc tngtagaatn ttntagaggc tttttcttta tgcgaggtac cagagggcgg 780
 aagtcttgag gtggagaggt catgtcccag agccgtaagc cggggacgag tgctntcagg 840
 cnntgtgcan ttgggatcct nnggnccacc ntgagggtcn tcacaaanga agcngncnag 900
 taaaggagt 909

<210> 26
 <211> 576
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 576
 <223> n = g, a, c or t(u)

<400> 26
 ggcaccgggg taanangggg gggagtngtc ctgggnncct tgaacgctgg gggaggantg 60
 gtnggggggt ccaagggggn nggggaganc tnaagntcnt caanntagag agggggaagc 120
 tccccactct acatctgttg tcggagcacc cccccacca gagggcgctg tcagtcatag 180
 actagagacc tcccccaag tgnctcnatc cttccaatag acgagccctc ttgacgcctt 240
 tttcagagaa ttctctaate ctccgggtcac ttccgcccc ctgtcaagac ttcacatatg 300
 tctccacgc gagggggtgt ctagaacat cataagaatc tctctgtcct cgttctttcc 360
 tgtgataaaa gccgcgggag ntctcttttg ggcgtctaga tctccgtgct gagtgtctcg 420
 ggagagcgcg cgacatcgcg tgtgaanngc gacctgtctc cgcggagaat gggagtgtct 480
 gtgtgcagat gtcatagtga gaaaccaccg ataagggtga tagggtaaaa gataactaaa 540
 gggctatgaa gaaagtgggg aagggaggag gggaga 576

<210> 27
 <211> 853
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 853
 <223> n = g, a, c or t(u)

<400> 27
 aacnccccctt ncggggggng gggaaaaana aaggggggtng gnggaannta aaccctagtt 60
 taaaangggg tanangtntt taangggcna aaagnttggt ttnantccca ggnggggtccc 120
 tcctttgaan acccngaaaa attcatttnc agaggggttg gaagggggag ccgaaaagaa 180
 accccaacna cttcgcaagt aacaangggc cnaagggagn cagccgcacc ttttttcnc 240
 cccgccccaa ggccagccgc attcaccatg aacagataga ngtaggagggc aaacaattcc 300
 agttaatntg gcggttgatg gcancttcgg attcttggtg gtatttctgg cgnatttgcg 360
 agggagacgc ggtgttcacg atggcggctg ggngaggcgc ggagggcgacg ctggagcggc 420
 ggagcgacga agttgcaaag gntcaggttc aaagcgnccg gcgggggtcgg aggggtcgag 480
 caccggttcc gttcaagcac tgttgaagca ggaaaccgcg gngantctgg gcgagaangt 540
 ctggcgtagg gaccagcggg ccgcacttta tagcgggatc ntgcgtcagg cgcgntccgg 600
 ccaatcagcg cgggtgggccc cccagccccg cttnttcctg taggcgtgtt gccaagcca 660
 gcagtgcgtg ggcggggagg agcctgtgtg attgtgaggc gantcttggg gttatgagct 720
 gntgcaagag cgggtgcctg caacaagcgg gacgtttntg tggcccgagg cgagcgtagt 780
 tggaaccagc cgtactacag aggcatctg ggtcccagag agtatcgata aggttgattt 840
 ttaagtccca ccg 853

<210> 28
 <211> 825
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 825
 <223> n = g, a, c or t(u)

<400> 28
 ggnttncagg ggnaccccc ccccncttnn antttgtcca cgnaanattn nngccnnnna 60
 agganggggn ngggaagtgtt nagggcaang aaaagggaaa agtttngttt ggacaaacct 120
 tgaaaggggn tttatcgcaa nacnccgggg gggggttttt ttgaaagaga aggggaaaag 180
 attcggaanc ctgatttttt tggnttgagt naagnggggg angggngngna aaaattaaan 240
 ggattccnng gggggngact agtanttttag gggggagaaa aggggttttat aaggncat 300
 aaagttcagc ggaaagccgg ntccggggaa gaccacccat gngttttaat tagagtgcga 360
 cgggttgaag agcccaggaa gcccaganac tagggtgagt caccngaaa ntaacagacc 420
 ataaaaggaa ggtatgcagaa cagaccaggg tacnancac aggccacttg gcaggaagag 480
 atagccccc gcccngaatt ncagagcccc aacctgccaa tngngtagnt ataccttatt 540
 acttcatcat gtgaatagcc aatcatatgt gaacatgtnt atgtgcttcg tttgaatcca 600
 ccaatccnng taantatgat ntgttctgna cgcccgnttn tgttccccaa tccntataaa 660
 agcccatgc tggagctgct gggcgcgcaa gtntccgaa gagactgtgt gcccgaggt 720
 acctgtgttt tccaataaac cctcttgctg attgcatccg agtggactcg gctcgggtcat 780
 tgggcgcttg ggactcctcc tgagggaag tctctctggt ggtct 853

<210> 29
<211> 861
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 861
<223> n = g, a, c or t(u)

<400> 29
anngaaacat ncccnncnnn ttnatccttt nggaaaaggg cancccaaag gnnnggaacg 60
gatngaanaa ttcttttcaa aagaganatc gganggnnat cgnnnngggt ttcaagtccc 120
cccngagnan naaaattgag tcagtngggg gnaaccgacg nananaggaa caggtttccc 180
gggagtcctt gggtnctcgt tcgacccccg gaaaccgaac tnncgcnttt ncctttggga 240
gnggggattt ntaaaggna ncgggngtat ttccattcgg ntagttgttn gttcaagggg 300
gntgccggac ggacccccct tnagccagac ngngncccta tccgnaaaaan tgttgggggc 360
caaccgggta agacagattt ntcgccantg ccagcagcca ntggtaacag gattagcaga 420
gagaggatg tagacngtgn acagattaag gaagtgggtg cgtaagnacg gacacattag 480
naggacagta tngngtatct gcnctcggtt gaagccagtt accttnggat aanganntgg 540
tagntttnga tcccggcaga caaaccaccg ttggnagcgg tggntccttt gnntgnaagc 600
agcagantan gcgcagaaaa aaaggatctc gagaagatcc tangatatnt tgttcggggg 660
cagacgctna annngtntgg natnntganc ggntgaccat agagcacagt antgnngatt 720
gcagtcgcc ccnaggacga naggagacca ggggcccang ctgnagtaac naatcaacta 780
ccctnacnag atgnancaga gagagagagn accgtatant nantgnaaga gaggtcccgg 840
tttcnagttc ccagnacgga a 861

<210> 30
<211> 149
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 149
<223> n = g, a, c or t(u)

<400> 30
atnngaggag atccgggttac taaggatata gaagaaaaaa ataaatcgtg tgccctgcctt 60
ttttttttta attgcctgct tctccccacc cccaaattaa gttgcttagc aagggggaaa 120
gaggcttttc ctcccttcag taggtcagc 149

<210> 31
<211> 857
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 857
<223> n = g, a, c or t(u)

<400> 31

gatctggtct	tgcccnnggan	ganntcnntn	ccgggggggn	taaaaaagaa	ttgntggngn	60
tgacnagggg	ggnaccccn	taccnggggn	cnancggaan	tnttggnac	cgnaaaaaat	120
ttccaggngn	acangaacgg	gtgcggnggg	antaggggga	aangtttgga	gtgngccaaa	180
acggaaaagn	agacgnttgt	angggttggg	aaccagnacc	ntggaaagan	tnagttctn	240
atcngcaaca	accaccggag	gtaggggggt	ttttgtngca	gcacagatan	gcgcagaaaa	300
aaggatttca	ggagatcctt	tgatttttat	tcgggtanga	cgttcangtn	gnggggattg	360
ggagcggana	accatttnna	cacaggattn	tatgaactat	ggtcanttgc	tttgttgtec	420
angtcgttgt	gggattgctg	tttttagtag	ctgcaaaccg	ttcgttttnt	gctatctttg	480
ttnggataaa	tcagccccgg	gcagangana	ttcgaaagtt	cccttttagga	gcttatttan	540
acgggctcaa	ngccaccggg	ttcgtttttn	taggcacggt	ctgcgcattt	tttttttttn	600
gnatntttgg	atcgcgtttc	gtgggatcct	aaaaaccggt	ttctgtgatt	ggcacgcaag	660
aaanactcat	gagctggtcc	ctgttgtgtc	tctcaggacc	aatcaaanac	ccatttccaa	720
cggctttata	atgtctgggt	ctgtttgcac	aggaagcgaa	gtcacggcct	gcacccgtga	780
agtctgggga	ggttcagagc	tgggaactgc	ccagaggaag	gggttcgggg	ctacagccat	840
caatcttcca	gttggttt					857

<210> 32

<211> 1630

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 1630

<223> n = g, a, c or t(u)

<400> 32

ccccccccc	ccccaaaaan	aanaattacc	nttttaccat	tnggggtccc	ngtccttgat	60
aaatttttaa	ccnnctnttt	tccttaaaaa	ancgnatcct	gangggattt	ccgttnaatg	120
gnnttaannc	ttttngngaa	tgtnnaccce	aatnttcccc	tnaattttga	gtnnngataa	180
tgcttanagg	catttggaag	tttaacggnc	acctgagggt	gattgggtgn	tattnaacgg	240
acttngatnn	gaggaaggcc	cccaanattt	tgttccattc	cttntaagtt	tgggacttgg	300
aaatcccgtt	gtttagatct	tgaccgtaat	caggagtcag	cgtagaggag	gccccggaag	360
gagggcccag	cgcggattcg	cccgcggcag	ggcggggacc	aacagagggc	cntcggggat	420
aggggagcgc	cgccccgccn	tcccggggaa	ggacacattg	cttggttagca	ggaagccagc	480
cagaccggga	ggaggccgct	ccagcgttgg	tggtgcccgt	ccggggctag	cctgatccgg	540
gcagggtgag	ttgagacgat	cgggtgagct	tgggcccggg	acgccagcgt	cttcagtcct	600
ggggattgtc	ccaggagggc	aaggagcttg	gaggaggagg	gccgcacagc	taggggagtc	660
aggtctgagt	cccagtggtg	ctctaaagcc	ggggcgggtga	gagtggcggc	ccgcccgggg	720
ccgcgcagcg	ngcagtcctc	cccgcgtggg	aagtggtaac	ttaacgcaca	gccacaggat	780
tcccggcctt	tagctgctgg	agggaggggt	gcttctcccc	gaggagtcct	ttgtgaaact	840
cggttggagg	gcaccgtggg	tgcgggcaag	ggagagatgg	ggtcgccctg	aagaagtggg	900
gggctggagt	agaaagtgga	ctttgtgcaa	acctcacccc	agagtagtta	gttaccaagg	960
ctggtttttt	tttttttttt	tttttgctca	gacacaagga	aaatttgact	caatgttaaa	1020
atatgtaatt	tggcaggaaa	acttttttcc	tagcctcctt	gctaataatg	ttggaacagg	1080
gggtccccaa	gaggtataga	gtccccattt	ttacaaaatg	tggttcagtg	ggactgtggc	1140
ccaccagtcg	gtgtatccat	ggaagagtgg	cttttatgga	gaagttcatt	ttccttaacc	1200
ttaaaaactg	taaaggatct	tgtgcttgag	aatattgttg	gccagcttta	tagtcttcat	1260
ttataaaact	atttagacta	gagtgttata	gattataggt	cttcaagttt	ccagtcacca	1320
gtccttggtc	ttttagtagt	gaaatcacca	gtaatggcaa	tataacatcc	ctgcttctgt	1380
ttcttagaag	gctaaattac	agtgtgttca	aactccgtgt	cattgcaaca	gggttaaacta	1440
actttatacg	taggacatca	gggtattgac	attctcatcc	taaagtcagt	ttgtctgttt	1500
ccagaggagg	aactgaagca	gtggttcttt	aagtaactga	ctcagggcct	tcctgcctgg	1560

cgcgctgcc aggcatagtg tagcattgta ctgcatcttc ttgaccagt ttccccaggt 1620
gaagagcctg 1630

<210> 33
<211> 883
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 883
<223> n = g, a, c or t(u)

<400> 33
aaaaattgta aggagtggg ggnatcccc ataattnaaa naggaacaa nccntaaagg 60
gagggnnngg aanggccaan attggnttaa aanagtang ttggtgat ccanacacaa 120
ggaatttggt anaattttnn taatggaaat ngggcacttc aattgggang ataaaacccc 180
aggaagtgat accnggggta tcaagtnaaa cntgattctt ggngnngagg gaaaggatat 240
tgaatttgag tgagtgcagg tgaagtgaga cttgggagna caggatcatgc ccaccaagg 300
gaggagcaag ggntgggcag tgtaggtggt gnggtggtcc ttcctggggg gggcggggag 360
acagatgaga acgttatttg aggacaggca caagtgttac tgaaatgcaa atccctgtag 420
atntggaaaa gttctgntt caggcttgat gcttgggccc gcaactgtgn actttccctg 480
tacgttcagc cccccaccc ttacggaagt tntcgtcact gagantagtg gctaatacaga 540
gtcttcaatg gacctgcaa tcagaaagga aggcgggctt ttccgggtgc ntaggtgtag 600
gattcgctca gtagttaagc agtcttaact ggtnttggt gctgtgctct ctgtcctgcc 660
gttgattnt ntgaggcatg ttcaggcaag ctccaaagt gcgacatggt gagcacagg 720
gcaggggggg cgggcggacg ggcaggggac tgagcagtg gagctggtgt ggtgggtctt 780
tcccggggct gagttggaat ccgcggctac ccgtgaggtc ttagccactc actagacca 840
gcggcagttt ctgaataact ttcctgttag gggctgcaac tct 883

<210> 34
<211> 913
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 913
<223> n = g, a, c or t(u)

<400> 34
ttccccccna gaaaaatatt tttngggacc canaaaaaan ggtcccnggn cctgttttct 60
tcnccccgna aanaacttcc ntttccntgg ggggnttaa naaaagaana tttcattggn 120
ggttttntcc naggggggga gaccccnttn nccgcgggccc tttcgnatt ttttggtcca 180
ccngtnaaag attttcccat ggcgcacat gtacgggttg cgaggngtat taggcggnaa 240
cggtttttna gtgggcctaa tacggnanat aggaggacga tttgtnttg tttgtngagc 300
cagtaccttn gnaaagagtt gtagtttga tccgcaacc aaccacngtt gtagcnggt 360
ttttgttga agcagcanta acgcgcagaa aaaaggatnt caggagatcc tttgattttt 420
tttcgggttc ngacgttatg ttgtgtgat tgtgagcga taacaatttc acacagattc 480
cgatngtagt ccaatttggt aaagacagga tatntttccc ttcaaagaaa acagaaaaat 540
acagaaacgt taattttcaa atctcnaatc tttcnttctc tcttcnntca ttcattcntt 600
cnttctttct tctttcttct tntctttctn nagaggaggc atgctagggg aacagttagct 660
cattttaaaa tctggcacct ggaattaatt tagggacaaa acacctttat gcaaaaaaaa 720
gtttatgttt ttccatggaa cacagtaaaa tcaaaattaa aagaatataa caaaggcttt 780
ggtgatttgg taggattttt ttttctctgg aggggaaaaac agatgacttg gaaagtgtta 840

ggaacatatc aagccccagg gaaagaaaaa cgtttgattg gtattaatta aaacactgct 900
aatatattct aat 913

<210> 35
<211> 320
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 320
<223> n = g, a, c or t(u)

<400> 35
tatgcaccca tgacacaaga tcacagaagt acaggcctgg accatggcag agtatacact 60
ggttgggtaa atgaagagga gagacagagt gggaagtcgg cttagtggat atggacttca 120
aatattgatga acaagcaatt caaatgagta tcgtgggctt gactgggtatg aagaccggtt 180
tgcaaagcag tgntcataag agagaaaaga gagagagaga gagagagaga gagagagaga 240
gagaaagaga gagagtgtgt gttgtgtgtg ttgttgtgtg tgtttattgg tttataacaa 300
gatntacntt tggtaacttt 320

<210> 36
<211> 389
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 389
<223> n = g, a, c or t(u)

<400> 36
gggggggngc naaaagggtc tttcttttna naaaaatcnn ggaggaggc cncnanacgg 60
ctnttanann tnttcnggt gtncctcncc gntgtgggga atganatntc gntctcgaca 120
tcaggggatt ggagattntc tngctcncc nctcacnacc cagaagaagc gcacagagan 180
cagagtanca catcatcac acctnttcag ctacagagcg antnctctan aaggggactc 240
ggggganaac acaaccctcc tcctcttctg actgngagng ccgcntgtag gntctgtcta 300
cccancaagn cttgtgcagn ntgngaacct ctctntgggg tagagtgtgt tnggggagca 360
gggcgtantg ttccaggnc agnctttca 389

<210> 37
<211> 882
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 882
<223> n = g, a, c or t(u)

<400> 37
agnaacgcgg ncgngggnnc tcnccngcg gagcnggncc nccccnngn ncccagaana 60
gnagcgctcg gngannnccc acngnagac nnnngctgcc ccncgngncc anggenttnn 120
nccnncccc cgnatccggn ncnncccccc ctccctnngg gngcgggggt ccngnggccg 180

ngnggatacc	nggcganncn	ttgtgcccc	gcnnngggggg	naggaccccc	ggcaccggcc	240
cngacccana	ncagnngctt	ngtggggggg	ccccccgcca	nagaacgaat	tncgccnccg	300
gccgcggcca	tcggaacnnc	cctagcagng	cgtcntgcta	ggcnggnnna	cgggnatccg	360
caancccncc	cttngtaccg	ggacagccgn	gggnccgtat	gggctgngcg	ntnggccgta	420
gccanntncc	tttngaaang	acncggnagc	tnttcacccg	cctcacaac	cncngggncn	480
gngggggctn	tntcntgngc	cgcccgccgc	gtngcgcan	aaaaaaaaa	aanncgccn	540
tccnccctc	ttttggcng	ggtnccccgc	ncaccccg	ccgagtnccn	nnccccccac	600
aacctcacac	cgatcccngt	gggttcccn	ngggagtcgc	ncngcnnag	cnggnttctc	660
cccatnncgc	gngcttnag	cgngccnnnn	cacngttgt	nnngnntgc	ctcccccttcn	720
tccttgaggc	aaaagccgn	acngtntctg	tggaccacnn	tgctgaggng	ctgggcgcen	780
cgntctctct	ctctctctct	ctctctctct	ctctatctct	ctttctctct	ctggggcccc	840
tcccttgntg	nngccanaag	nnngcnnacc	cgtaaagtaa	gt		882

<210> 38
 <211> 975
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 975
 <223> n = g, a, c or t(u)

<400> 38						
aatttngnca	ataanggcc	ttcccctgag	tgngggganc	ncnctgttc	anaaggtagc	60
tttagcgngg	ttctcnagtt	natggtaacc	nagtacttaa	ttggcncnct	tgataaatgc	120
tnगतctna	naatttcaac	aaccgcagga	ccatttttga	acttggegn	ngttttaccct	180
tnatgnnctt	tcnnnaaaat	ggcttccctt	gncatcnaat	agtngtgccc	ctaacccttn	240
ggttccggag	gatgcattng	tgngtgtgng	tttgnccctg	agcatgcngt	tccgtnacgg	300
gancaagntt	ntcaatgttc	cntcacncca	tacttnggct	tggggtacaa	nttgtatatc	360
ttcgggatta	tatnagttaa	tgtctgnttt	tcataaaatc	acttgtggat	ttggctttaa	420
ngttaggaca	acttnccaca	gtttcttgga	tctcctntca	catgttaacg	ccatttttgt	480
cttgtatact	aaagtgcac	gtccttntng	acactaacia	tcacaaatta	ggagtaccaa	540
tcaactttga	gaaaatttaa	aagatgcccc	atctcttgta	tcagcaagta	ttcagccagg	600
atttaattct	ttatgtaaaa	attagcaagc	atttctatnt	cattcacgtg	caaattttct	660
ttgattgtta	attaagattg	aagtgatatg	tatggcccaa	ataagtctca	ctttaaaaaa	720
tattttctta	tgaattatta	tccatgaatg	tttgatctgt	atagctatnt	tatataagta	780
tatgcaagga	ttgctaaaac	aatttttgag	tgaaaaaaga	tcctaggtag	aaaatgttta	840
agactaccta	taccgtcatt	aaaaactcct	caccagcatt	tactatgggt	ggactttcag	900
agatctcaat	caactctttc	ccacccagtc	tactgaaagn	ttccacctgt	agcggcccaa	960
gcaaactgag	atntt					975

<210> 39
 <211> 850
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 850
 <223> n = g, a, c or t(u)

<400> 39

ggggaaaccc	acggtnaagg	gnngganaac	naggtanctn	tttctccggg	ttccaanaat	60
ngaangcctt	ccngagggcc	ngaaaancat	tncttcngga	gccgttcaag	ccagnaggtg	120
ggtttcaaac	aatgcttaag	ttgtggggag	aacnagnacg	tccgttccng	accnngttta	180
tentaagga	gacggnggtt	aaaggttagg	gggttngaca	gtcctgctgg	tgttcaagga	240
ggaggagaca	agttgncatc	caggngngca	ggaanacctg	ttaaattcct	gaccnaccgg	300
atgnttgag	agcnaaggcg	gattcttccg	gcagtggcca	gatttcaacc	caggtcccgc	360
ccngcttttc	ttggttaggc	aagcaggcct	tagtccngga	ggacgcccct	tgggtggccag	420
ggtatcacgg	ccccctnngg	gtttccattt	gcagtttgta	ttggaccatg	gatcactgct	480
tccttntgcc	ggaagttcca	gattccaaac	tgtgngantc	ccatntgcaa	ctcccatggt	540
tgccngtggg	acttttnta	atatcntggt	acccgcttcc	catttcccca	cccccntgnt	600
cccttcggga	ggaatcaccg	cccagtgtgt	cacttcctgt	aggnacttcc	aaggntagat	660
gagtgaagtg	caggcctcac	nttgccccag	ttantcagtg	cccacagagt	agcttttttg	720
agacgntagt	aaggtcttag	gggaaggaat	gtagtgcgac	cttctccttg	gtggccctca	780
gcactgtgag	tagaccccac	acatcagggc	tgtgtcggtt	ggatctctgg	gagggttgaa	840
agtttcgagg						850

<210> 40

<211> 889

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 889

<223> n = g, a, c or t(u)

<400> 40

ggggtttcca	aaaatttggg	gntttggana	aaccttcggg	gaataaaaca	acngnnnaaa	60
attaaggggg	gccgggggaa	aaaggagatt	nattaaancn	ccaccgaat	tnaaacnccc	120
nccgggaccg	naaccgtttt	tggccnaaan	ncgagaagtg	ccttccnggc	aaagtagggg	180
accaaaggtn	gggggagaga	attggggttt	gtncagngtt	ccggttcnac	ggaaggagcc	240
ggttggtggg	attgtttcca	aggagngngt	ttgngaccgg	agcacctcng	gggngaccat	300
gggnttgcc	tgtagagac	cngcgngatg	ttttgggttc	gnattcgggg	agggatttcg	360
ggggcctcag	acnggggagg	agtcccntgc	gttcccnatg	ggaccgggtg	tcgggcgggg	420
gcagtttcgc	tgctgtcctt	tggaatgng	cntgggnatt	ngtgggcaga	ngagattccc	480
cngccccgcg	natttcccn	gttccagttc	ntaggnacca	gagggtttcc	gcagtgtgat	540
tcagggagnt	agantntagc	gtctgtnttn	tntgcgtttt	ccccttcag	attctcagtt	600
atttttttagg	agaaaagggtg	cgtggaaaca	gagcgtccct	gttccgtgct	gtttctcnta	660
gcccanaata	cagatttaat	tctgaagcca	tcgaccccca	tatccacttc	ccgccctctc	720
ataaacgtgt	aatatggcct	gctttttcct	tgtaacgttt	catccaacca	tagtggttagc	780
ggccacactg	catcttgagg	tgggttgcca	atgagtgaat	gaatgagtga	gtgaatgaat	840
gaatgaatga	atgaatgaag	caagcttcag	ggagattttc	agagaagtg		889

<210> 41

<211> 929

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 929

<223> n = g, a, c or t(u)

<400> 41

aatgcccntn	aggggnnttt	ccccgnatth	naaaatgggn	tncnngnttc	caaagtttcc	60
taaaaatttn	cantttccgt	ttttaccngg	tttatggttt	ncagcctact	cctgttcgan	120
ttccaaatcg	gttttaantgg	ncccnccgaa	ncntntnttn	tttggcagaa	ggtgaanttc	180
nttggggccc	ttgtttaagg	gttttnagcc	ttaaattgnt	tgntnagnnt	ctccntaatt	240
agttcattcc	tttgaccatc	ttttgnccct	ccatcttgta	aacanttaag	tctattgcat	300
tccactttnc	tntcagttnc	cgtttnaccc	tcctnagcag	aacccgnttc	tcagctntgg	360
atgggtccaa	anggtttccc	aacctatgct	caataccaca	ggcagcttgc	aggagggaga	420
antggtatgt	atttaacagc	atthttgaccc	aaacttttag	gagcagagag	gactttaccc	480
aggacaggaa	ggcaaaagac	ttgaatctta	aacaaaggat	taagaacagg	atgtcatctg	540
tgagcctgtc	acagtgggtt	tgagagcag	gagaacacag	acaggattag	ctataaagtt	600
gttacattag	ttattntatt	ggagcataca	atacttaaat	agttctaggg	caagagaaat	660
gaacagaaat	gacctataa	gagccagagc	tgtagccaca	gctttctttg	tgcttagttt	720
gctagttcac	tctttccagg	gcagtctggt	ggattacacc	aaattgctta	gaaaatgcta	780
gctctactgt	ccctgtctat	tgtcagcttt	gcaatgtgca	tagtgacagg	agttgcctgg	840
gaagcttggt	gcttatgttt	tgcagatcca	ttgtaattaa	aaaagaattg	taaggagatg	900
gaggcacggg	gtgaggggtga	gggtgagtg				929

<210> 42

<211> 943

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 943

<223> n = g, a, c or t(u)

<400> 42

ttggaaaccc	caacctggaa	aangngtntt	nccgggaaat	tcaacctgcg	ggcnaatggt	60
gtaaaagggc	ctacctggc	ttngaaggga	atntcctgaa	ggnnnaatcc	caannttgtg	120
natcccaatt	aaggntnaac	nggtttaatt	tgtnntccnc	ntaccnaccn	ggtttnccgt	180
tatactaaag	ggctaacaat	taaatgctca	naagggaccc	ccaatcctng	gcnagaactt	240
gggttaagg	ttccattagg	atthggcatc	ctntaccgtg	atcctgaaca	tntnttgaac	300
tgntttgcca	aggaacngaa	ggttttncct	naagntagca	cacagcagng	accaaggatt	360
ggaacccagc	nagtgccttg	aggtaaaaga	tcacttccnt	ntcccttagt	caggancntt	420
agggagtgg	ggcatcacc	acacattccc	cagtttgnac	gtaggtttca	gccagcaanc	480
cgtccactaa	agctgcctcc	aattcaaact	ggattgagtg	acaagtggct	tgggtgtctc	540
tcaaagattt	atagggtgg	atggccactc	ctctgtgtaa	ttaccctnta	tgcacgtctt	600
ttntttctct	cccactccat	ccccacccc	tctttgtttc	ttntccntt	cctntccctc	660
ctgttgactt	ttctctctcc	tgcaaacagt	tccaggcacc	gnntagcatn	tgccactctg	720
gctntagaaa	gctttgcttc	ccctctgctc	cctggctggc	tggaactcag	cctccgggtg	780
gggcagactg	gctcatcctc	tgtgtttctc	tgagtgtgga	ctgctgcctt	ccacacagac	840
tctctgaagt	caaggagccg	caccagcact	tcagttgtgg	gccataatca	agncangact	900
gaaagttgcc	acctgtagn	gccgcaagca	aactgagatn	ttg		943

<210> 43

<211> 867

<212> DNA

<213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 867
 <223> n = g, a, c or t(u)

<400> 43
 aggaaaccnt tttaaaaaaa aggggggggg gggggggggg ntagnggcaa aaaagatgan 60
 accctcaagn cggggggggg taaanaagga atcgattcg ggctttgnac aaataaagga 120
 gttttgngng nattttcccc ntggtcgttt tntgnacgat ccacggttga cgcacgacgn 180
 acggaccgac aaccaanacg taaaggggaa ttgtggaggg gttggaagtt tagatgcccc 240
 gaccacggac gtgcggccan cttccggaga cccaccttcc ttgtnggccg ggnccggcgg 300
 cagcgnagcc atttccaccg gatccctata gcnggccagc ctagcaggcn gaacaccagc 360
 gggaaagttga ntnggacctc ggagagcgcc cggccttccg gcggaagtnc taattccaaa 420
 gcggcccgcg gcngagtttc ccatacaggt tggttccgtc tcggagtgcac gtggcttgaa 480
 ggacgggtctt cgcgcgagaa gagtacctg cctttcaggt gcgggagtta cntcagcctg 540
 ctgcacaccc ggctgtgcgc antcttctgg tgtggccggg acggttcacc cagaggagtc 600
 tctgtagttc ggagcaagat gtcggttaaa tctggcagga aaatgccttc tatgctcatn 660
 tatatattcc tgcttccctc agcttgcttt cgacttagta aggtaacatt tcagagcggg 720
 gcacttagta ctttttgga ctgtgctgta taaatataaa tgttccacac ttaacatctt 780
 agatgttata tctaaagata tgcattctta aacttcgaaa gcgcataccc taaaatttca 840
 tatttttgca tacattgggc agctgtg 867

<210> 44
 <211> 303
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 303
 <223> n = g, a, c or t(u)

<400> 44
 ggaaatgatt agtccaagaa atatttgagc agaagggagt tagggttttc aaattaggaa 60
 agtggaatcc acagagttcc cttgacagag aatataaaaa ggactctggg gtgtcagaat 120
 ggtgggcatt aacctgatct tccacttgag ggtaagggaa atgattagtc caagaaatat 180
 ttgagcagaa gggagttagg gttttcaaat taggaaagtg gaatccacag agttcccttg 240
 acagagaata taaaaaggac tctgggggtg cagaatggg ggcattaacc tgatcttcca 300
 ctt 303

<210> 45
 <211> 840
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 840
 <223> n = g, a, c or t(u)

<400> 45
 aaaccggng aanaaaaaan gaaanngang gcnnnaaaaa agttnggaca gaaaaaactt 60
 tnggaaaaaa gganggggan aaggcaggng nccnactnaa aanggncttt tcnaagnng 120
 anagagntgg naatnagna naggacattc tttnaacctc cnangngngn nggaannaat 180

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ngggattgag cngccaccat tagggangaa gttngaattn nggggcccgn gngagttaaa      240
angattcccn ggttttttaa aacagagaat acctncaggn acagatnaac ccgagattgg      300
ttccctngaa aattnnngan aaagataaan gtaggagcat tcaaagtagn anggtaaaaan      360
taatgggaga catagacacc aaaaaaagcc agttcagtgg gccccgaagg ngcattaagg      420
gaggaccagg aaacggcagc anagccacng gcagccgcct gcccncacac cagtnattcc      480
cgcacntaga tccaggcgnt gggggcgggg cggggcgcgc ntngcagng aagntnngcg      540
gcaacaantt tgcntagacc ggntggaacc ggttagaacc ggccgcgccg gaccggccgc      600
ccgttccgga ttntgcgttc acaaaggagag gcgggactca cgacntgngt atcnttnggg      660
tcccaacccc ggcccccnac cccnaccccc nttgtccctg tggcattcgc gttctttccg      720
ccgtctccct cgcgggccgn ttntctgcgc ctggtgatcc tttcgccatg gtcctntgga      780
gaaagaaaaa atctttaatt tntagggagc gtccttttcc tgtagtcgta attgtagaaa      840

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<210> 46
 <211> 893
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 893
 <223> n = g, a, c or t(u)

```

<400> 46
gagaaggann agnggggng agngaagana gaggagggaa gaaangaagg tggaganaag      60
tggannaaaa agagggagan ggagggagaa ntaaaganag ganaagagng gggaggaggg      120
gnagnatagg agaggaaaga aagganggan agaagagaaa agaanganga gagaaaggaa      180
agaggaaaga aagaggggag aagaggaaga aanagaggag gggangagag ggaggataag      240
agaggaaaga gggaganagg nttgaaaagg gaaagagaag gagaaaggna gnaggngngg      300
aagagaggna agggagaggg gganaanggt aagggggnaa agaangagaa gtatnggggg      360
aaaggaggag angaaagaag aaagaganga ggaggagagg gagagtgagg aataaagggg      420
agggaaaagg angagaaaga gagagaggga gagggaaaga nagagaagga tagnggggtg      480
gagaaggaga aaggagagaa ggagaaggng agaggagaan tgaagaagga gggagtaaga      540
aaggantgag naggaaagga ganagagagg tagagagaaa anaaagaggg aaanggaggg      600
gaggagggng nanaaggat agagggngga aanangagag aggggaaaang gggaaggaaa      660
ggaggaaaaa aagnagagaa gaagagnaat gggaaggang nagtagnaaa agaaaagnag      720
aggggagagg gggangangg ggganacggg gggaanaga aaaagtgaag gaggcccccc      780
ncccccccc cccacacac acacacagcc ttttcgccg cggaagtga ggttggtcca      840
ggagcctgtg gtcaatccag tcagtagtgg gcgaggtgta acatctgtgt ccg          893

```

<210> 47
 <211> 789
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 789
 <223> n = g, a, c or t(u)

```

<400> 47
taaaanann gngannanc tnnaaaaaan tntcttngga attnncagga nggagntaa      60
tngggcgggc ancatcaatg gtanaaatgt gggggggngg annaaatca tnaanncaac      120
cgtttccana gncaaccatt ctggngncc caaggttnga ngagntccgn tcaaggngaa      180

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accttttcaa gaccaattaa ctaggggatn agaggcgggn tggttmntga ggggcgggct 240
gctgagaaga ttcgttgggg gacccaggag tgaaggttt tnacctgtgt ntntcgggaa 300
ggtcggatnt attatantcc tgctgttgga ggagtccggt gggtcaaggg cgggacccgg 360
agcgtttact tttntttgnc cgcagccaat ttgttntgct tggtttcttc ngaatcccgg 420
ggcgggggagg gggaagcggg gggcccaatc accacgatcc cggcagccac cgcgaaattg 480
ttccggcagn tacgantctt caacaagagc cagagaaggc ggggtgcagag nttcattagg 540
acgntcggaa acccggcgtg acttactttn tccaagccca ttggttgatg agaattgatga 600
ctgacaggga ggcgtgggca cgctgtcgcg ggcgggagcg acgggtggag ttaacgacga 660
aagctgcgcg cgcagccatg acccctcaca gccacntatc ggagggaggg gcgggacagc 720
tttagcttgg tgcgtgcgca gccggacgtg aggcagttgg tggctctcca tcgtcgattt 780
ctggttacc 789

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```

<210> 48
<211> 872
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 1- 872
<223> n = g, a, c or t(u)

```

```

<400> 48
gggggnggct tttttnggag gcatanatng gggnnngtcc ggnaaacccc attggtcggc 60
cggggaagga aaanggggct ctnaaaatan gttantggga tggngcctta agggggggcc 120
catngccag gaangcagat tcaaaaatgt tccaagtgga aaaccanggt tggnanaggc 180
cctcnggnc gtnaaggagg agaggagaga tggagtttca ggtgtgtttc ccaccagtg 240
ttccagggga acacaaaacg gataggtcac cntcaatgna caaggaatta aaagcttggg 300
tgtatnggga ggctgtcttc caaagccacc agaaaatccg gagagccggn ggatentacn 360
caccagagg ttcataggga gggcantatt aggggtgtgc ccttgtgaga ggaagtgtgg 420
cacngtgggg ctgggtttga gatntcagat gntcaagcca ggccattnt ntctctctca 480
gtntctctcg gtctctttct cngtctctnt tcagtctntt cagtctctct cagactctct 540
ctctctctct ctctctctnt ctctctctct ctctctctct ctctcccngc tgcnttcaga 600
tatagcgta gaantctcnt ntatccagca ccagtctctc ntgcatgctg ccattnttcc 660
caccangag ataattaggc aaacttntga actctaagcc agcctcaatt aaattntan 720
gagtaaaacc agcctcaatt aaatgttttc atttctatga gtcacagtgg tcatggcatt 780
tctttacagc aatagaaacc ctaactaaga cttgccgaaa cctcaaccac aacttcagcc 840
ctcagaagcc caagaggga aagacctga at 872

```

```

<210> 49
<211> 785
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 1- 785
<223> n = g, a, c or t(u)

```

```

<400> 49
tcgtaanttt tnatccaccn gtanangatn ttccatgcc ccatgtacgg ttacgaggng 60
tatagcgtgn acngtttttg agtngngctaa aaggaaatgg agacntattg tnttggtttt 120
gtgaccata acttcggaaa ggttgtgttt tatccggcaa caaccacngt gtagcgggtg 180

```


tttttgtttg	cagcagcaga	taacgcgcag	aaaaaggatn	tcaggagatc	ctttgatttt	240
ttnttcgggt	tctgacgntc	atgttggtgtg	gaattgtgag	cggataacaa	tttcacacag	300
aattcaaagg	agaggagcca	atatagaggg	ggaaaaaaaa	agaaggggaa	agcatttagtt	360
taaaaagttg	agagaacaaa	gtatgttttg	cttggtatggg	caaccaaaga	agcntgccag	420
gaatggtcgg	taaaagggtg	aagagtcacg	aaacgtcttc	tgtccaaccg	ttaccggaaa	480
catgcaagga	atttcttaga	ctggccagga	ttggattgtg	ggaaagggtct	cttcaagcnt	540
ccccttggtc	tttatggcaa	gaaaatagtg	cggactatag	agagcgtcgt	tctcaaagct	600
tgtccccaat	agcagaaaag	cattgtccta	aattccttaa	aaggcaccgt	gaaataaata	660
ttacgaggac	acgatggcac	aagaaggagc	tttcaactct	gccaccagaa	cagttatact	720
tcatagtaac	catgttgccc	tgttcaatga	caaggcacgc	tctccagcag	aaagggaaaa	780
ggagc						785

<210> 50
 <211> 889
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 889
 <223> n = g, a, c or t(u)

nttnnaaagc	gancgggcn	ggngggtttg	gnccggcgtt	tatacnaagn	cgngccaatn	60
ggctttgggn	gggnnttcat	anggnntgn	tttaccat	tcagtttttt	attggtnttt	120
natgggcgca	gggatagnn	gttcnggntt	cccacangaa	tttgattntt	ggaatcacaa	180
gtnacagtn	gccgnaatca	cgagtttgcc	gctttntttc	ctaccttana	ttcataatan	240
gaatgagtan	ttttttttta	ttgagnaang	tttnnacagg	tttagtaaac	atgaggacag	300
aggttttaag	ttgangatta	ggaaggagag	ttccggggga	cagaatgtgt	gtattntcag	360
tcagtgcact	acccggaaga	gttgacgtca	gggtgaggaa	gggagcggat	ttcctggagg	420
ttttaaccaa	cagagagaaa	aagcattttac	tactgattaa	gcacacaatc	tctggattca	480
gagaagggtg	tttaccttta	tataaaatgt	ctcctaactg	cgtgactgtg	tgacttttgtt	540
gaagtcaact	gagcactgac	tgtgttggtg	gcaacatggt	aagaggacca	actttnttct	600
taaattttat	ttattattta	tgtcacgtgn	acacttggtg	cttttgtttt	tgttctaatt	660
ttatctgcat	atatgtctgc	ataccacgtg	catttctgat	gcntacagat	gccagaaaag	720
gacaccgagt	ttcccctggg	antggagtta	tagatgggta	taagtctctg	agtaggtact	780
gggaagtgaa	cttcagtttc	ctctggaagg	gcagaaagcg	cttttcaa	gctgggccat	840
gtatttcagc	ccctacttaa	tttataat	tatttttagag	gatgtgctc		889

<210> 51
 <211> 947
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 947
 <223> n = g, a, c or t(u)

anaaaaaatng	agaagangag	accccagaga	agaagnanga	gaganaacag	agaagaagag	60
agnaaggng	anaaantaga	gaaaggaaaa	gntcttaag	aggcnanaaa	ntancnatnn	120
aaggagaaga	nggaaggnta	acataggagn	caagaatana	aaganaaaaa	gaggtagaga	180

anncagagaa	cgagaaaaga	tgaaanaaag	antanaangg	aagaaagang	nccagnanaa	240
anaaggcaga	aanaagatgn	cgtaaaaana	gagagaagat	aggnaaaata	gaggagaagg	300
ccnaacagga	ngggaagagc	agcgaattnn	agataaaacc	ggagganagn	nagagaagggn	360
agagntngnn	aaggcaaaga	cagnanngag	nacggtacnt	gccccagaag	gnngaagaan	420
gncnagangg	tgagggnngg	cacngncnt	tccccttagg	aggncgccc	cccagagatc	480
aggtttcnag	gncaccgagt	tggatacnag	attatncacc	naggcaggaa	angantatng	540
caaaaangatt	cggggngggg	tcacggggtg	agaaataaan	tcannaaana	gaggacgngg	600
aggagggngg	gaaactctng	acagaaatng	caagcangaa	gccagccnca	cccaagcccc	660
nacngaagca	gcngagangt	tgcanggcgg	naggtccaaa	tcancgnagt	catggagnga	720
gcttcggngg	ggcccnaganc	cantgaggaa	gggcaggaaa	ccatatacnag	ccgagccnng	780
nganggntgc	cctganacac	ccggagaggt	aattttttatt	tnacgggaag	cgtccagnca	840
agtctgtggg	ccggaagaga	cgttacttta	gtatacancg	ctnntgctnc	gagttgttng	900
nccttntnat	gnnagatctc	acaaangaag	ctnanaagta	gatatgt		947

<210> 52

<211> 860

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 860

<223> n = g, a, c or t(u)

<400> 52

aaggggaattt	ttacccccgt	tncccttttgn	cnggggggna	aaaaaannaa	aaaataattt	60
tttaaaatta	aaggggnggg	angtttttcc	ggttctattn	ngccnattcg	gggttacact	120
tttatccanc	ntttgntttt	ttanccggcc	gggttaaaaa	tgggggggga	ttagttcggg	180
taggngttnc	cnacagcaca	gccctgtttn	tcttcgttcc	ngaaaaaaaa	aaattttgct	240
ggtntcacia	tttntttaa	caggatttnc	ttcaaccatg	gattaatata	tttccgggtgc	300
agnttgcccc	gtttgtttt	tggttgata	gggatgccag	caggattcag	ggatgccc	360
tgtgnttagt	ntctggccct	ttaggagagc	tttgggctaa	ttatgtgacc	gattttaaga	420
agtgggtgtg	ttgtgggtcc	agggactcac	ggatcagcct	ttattttata	aggacactgt	480
ggaggagaga	cagaggctga	gctgcattct	gatgtcattt	gtgctgctgt	ggaagttaaa	540
gaaaagctgc	agaagtcagc	aaaacagatg	aataccaaga	agggcagtgt	gagtacagga	600
atggagagaa	aagtcagagt	ccagctttgg	ttaactccct	aggatcagac	anttctgcgt	660
aaggacgggt	ctacagttta	acagaccaca	gagcaangtc	aaacagcaaa	gtggtttcat	720
ggcaggcagg	aaatggaaca	tttaactgga	aacactgaac	ccacccatgg	caaacttagc	780
aatgaagctg	ggtgtggtgg	cacatgcctt	taattccaac	actcagggga	cagatntaat	840
gagtttgagg	ctagactggt					860

<210> 53

<211> 191

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 191

<223> n = g, a, c or t(u)

<400> 53

aggtctgacc	acttggaagc	ttgccctgan	tcatagatga	gccactgtct	tcttcccctc	60
aattcctcag	gatggggaac	agccattggg	cttttagtag	aggagggaca	ggcccttttg	120
cagcaacagt	tctcccctga	atgttggatc	tccacctata	cacatggggt	acttagcctt	180
atggatgccc	c					191

<210> 54

<211> 988

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 988

<223> n = g, a, c or t(u)

<400> 54

ttnttgggna	cgggntntccg	nantatgaan	ccnttcccgg	ggttttttaa	aancccnnga	60
tattcgggga	tttgggtttt	nnacggcctt	tttttnagag	gccaaatncc	cntntnaang	120
ccttttatcc	ttccntttnt	gcccnccttc	naattaggaa	gcntgggttg	nccgantntt	180
aagggtttta	gtntccttcc	gttntntttt	cccttntttt	ttccctnaag	ttataaagcn	240
ggatatnggt	ttgccaggnt	tctnttgtag	ccgtcatngc	gggttnccgn	ttaccaggn	300
tttgttcctn	ggccggtncc	ttccaatttt	ggantntccn	ggtcngnggt	ccnattncct	360
tgnaacngtt	ccacacntna	tgacaattaa	ttgtttcctg	tgtaatttgt	ccccggactt	420
ntggattcct	gngancaggg	cctntgtttc	atggaagcaa	actcccttaa	ntatttacca	480
ggttgattga	ttaagaaagt	antcatgntt	gggaaaccca	cntgtttntt	tcccaggatg	540
gaancccagg	atthttggaac	tgacagaggc	tcagggtctg	ggaagcggag	gcaggcaaa	600
aatggagtgc	actgtccttt	tgcaatatgg	ggtttgccctg	cctgctggct	cctctcntgc	660
tntctcagat	ggtgactgag	gctacttcag	caggactagg	aataatcatg	tccagggtggc	720
tgcccttccg	agcagaaagg	gacagacgtg	gggcgatgaa	gttgctatcg	tttttttttt	780
tttctgcaca	gactgcaaag	tgtgcagagg	gagggaggct	gtgcaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaccca	ggacgcagaa	gttagactgc	tgaccatttt	ggtgcatgtg	900
tgcccatgga	gggaggggac	cttctcaaaa	gggttcacgc	agcangcatt	gaaagtnccc	960
cacntgtagg	gncgcaagca	actgagat				988

<210> 55

<211> 665

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 665

<223> n = g, a, c or t(u)

<400> 55

gaaaaagatt	caggaanctt	atthttntcg	gttcgacttc	agtnggggaa	tgggcggana	60
catttcacac	ggatttgtaa	anacngtnac	ngaaacttgg	nggttcgtag	atccactttt	120
tttagacctg	agagtagttt	ttaaaatatt	tnaattaaag	gtttcctgca	cccacttttt	180
tttttatccc	taacttttca	tccagtatgg	tttttcaata	tcacanttta	atctaggact	240
ccttgcttaa	agcaattaca	agttaaatta	aaagtaagag	atggctnata	gctctcatta	300
ctgggatgca	ggtgtgaaac	aagtgatttg	tgtagaagct	ggcaggatgg	gtataaacia	360
gaacacgtgc	ccagaggatg	tattgaaagt	tggatttaag	tctctgagta	gtttatgcta	420
ggcggtagca	ttgaacaaga	tgaantctct	gntcatagag	gtagaaactn	cccagattct	480

gaggaagtgt gagggagagc attagatgtt actgttgggg atttgggaag gccaggaaac	540
gttactccat gcccaggag ggtaggagaa aggtttgggc ttagctttga ggacggagg	600
aactggtggg tggatatgag gatggttatg ctaaaagcag agtggtttcc aactattgtt	660
cttct	665

<210> 56
 <211> 857
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 857
 <223> n = g, a, c or t(u)

<400> 56	
aaaaaaagaa aggaaagggg agananaaaa annangngan aaaanagana ganagaggna	60
agaggaagng agggngaaaa gagaggagan aaanaagagg aaggagaann gaggaaaang	120
aaaggaacaa aaganaagng anggaagana aaggagagaa aaanaagagg gagaaangga	180
ggagggaan agagaanaga gggggagaga anncagagaa nagaannag aaaaggngga	240
gacnaanana gaggaagaa aagngaggag aagagagggg agaanaaant tgaagaagaa	300
gaangagaga agangagnag aggaaganga ggggaagaag aagaggngga ggagaagaag	360
aggagaggag gaggaaggag aaggaggagg aagagaagga ggaggaagag gagaggagaa	420
ggaggaggat actanggag ttgtttcaat aaaagagngg gatntaagat taananaagn	480
aataatgccg gttntatct gtctggggg ggtccttgt ctccaaacac aganntgggc	540
cagttnttca aaattnaant gngaagattt cttggntnga gagcagntca gattnantng	600
nattnttttc tagtttttaa cacaancttt gtgntaaca aganganga ttcnaggana	660
actcgntttt ntttgggagg agactttgtt ctttcnatg aagatgcagg acgnggaaga	720
cgcagggtgt gaacaggaca cagnnacgt tngntntng tcngcntcag cngcgtggga	780
atgagtcaga gcagcacggg gaggtgcctg gatntaagct ttctggtagg gagaacagag	840
tgcaggcngc ggccccag	857

<210> 57
 <211> 902
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 902
 <223> n = g, a, c or t(u)

<400> 57	
aaaggggng ggaagaanga aaagggnaaa cnttngtttg gaagccnca nnaaagnaan	60
gncgaattta anaaggggt agggaaaaaa aaaacanaat attcctcct tagccatnaa	120
ccgaacttcc ngcaaggaaa aaaaatttg ngggngtaaa gggcaccncn tcccacaaaa	180
ttttgntaan tttgggcga aattcangca ggnnttngtt ggaaaggngn ananacaaa	240
gggatttngg ggatttnaaa atcngngttt nnggcaggnn atccngaagt tngaatecga	300
cgnacacct ttatttnagc agttatttan gggaacatgg gaggnacca tttcaaacca	360
nggatcgggc cnggagtntg agtgttcagc ccacngcctt cnaacantac cgggataagt	420
ttttccctgn gccagagacc catccangtt ccagcaaaag gntggtcac tngggcnagc	480
tccnngatgc atcnnnggtt tctcccagcc nggggccaat ggtcgaaggc aggttntttt	540
tgtctccagc ttgttccna ccgngggagc ctgtcaaggc tgcacagnac cagantagtg	600
gtcatntcng gctagctcnn ttagctcctt gtccagggga cttcctggca ctggattagt	660

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ggnggactca ggcttgcttt tttttcagga gaggttagat tactaatcat tcagatgttc 720
ataagtcaga aactgagca aagcaatagn ttctcctcca cntactgant cacacgtgca 780
caacagccac acccgcaatg cttntaggag cagggtccagn gnacttttgt ttttaactatt 840
tntggctctt tattaatcag cacataaata cgcttcggtt ctcctttttc aatatgnatg 900
tg 902

```

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<210> 58
<211> 852
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 1- 852
<223> n = g, a, c or t(u)

```

```

<400> 58
acagaggggg ggggggngtg gaattttngg naggangttn tnggaaggcc nctaaaaaag 60
aaatgttccc agacaaaaag ggggggggna gttnnaattca nggatcctna ngaggnggaa 120
atttttnnnn tattnaggat caggataaat angaaaaang gnanaatttn nnnangnggg 180
tttttttttt tttttttttt ttttttngng gnnnnnannan annnnnaaat ggcgcggggc 240
atggntaatg gggaanttgg gganaattac agagatttnt ttttcccatg ggnttccagg 300
atgaattcag ntaccaacca ggttggtacc agcattttta cattcgagtt agacatcaat 360
ggttaggtcg ggagtggag gttcggggcc ngacatatat tcntggtgaa ccagtgccac 420
cttntggttt ntacaaggag cttgaggtag tgcgccacca gtagctgtca ggcaggtggc 480
ttaagttcag aaccgnttcg tggaaaccga gaagcagaaa aagacataag ttntgcngct 540
tcanaatcca ctctgaata cananatctc ggccaaagaa gcacagccag tctttccggt 600
nacangaggc cgggagcaac aantccacag ccagcccaag ganatacaaa ggacttgggt 660
cagttctgna ccagttggag tcagagatgg ggccctcaaa gtcccagcag tgaagggcat 720
ggtctccagc nnacagtggg acctttaaga ggtggggact tgtaggagga gttagataat 780
tgggggtgtc ctttgtcccc nacntcgttc tttccctctt tatggccttg atgtggacaa 840
gattgtttct gc 852

```

```

<210> 59
<211> 884
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 1- 884
<223> n = g, a, c or t(u)

```

```

<400> 59
aaaaaaaaatt ntttttcna ggnaaataac ccngcgttaa ccgggcgggg gagatcaatt 60
ntttgtngtt gtttctcng aggcggagng tcaaaaanaga acacnnctgg naaaccccc 120
ttaaaanaca aaaatttgan ggggnnggng ngttacaaaa agacaggatg ttttccgagt 180
cggattcaat ccaccacaa catgggggtc accaccatngt aaggaatcgn tgcctttttg 240
ggggtatcct aggggggtana ntccaaata nngataanaa tttttttaaa aatttaattg 300
tanatattta ttanataatt taataaataa tatttgana nantnatgtt ctngcgcctt 360
ngggaactggt agttttttnt ccnnatttna actttcccag nactnggtag cctatgtgnt 420
tatgcaaccc nttagaagct gccttcanta ttnaactcat actgtttctc gataatcngg 480
ggagtagctc cagttngcta tgaagctgcy gaaaggtagg cggacatccc aggcttagac 540
agagttcagg ttatttgga ctttnnaaca gaagtgtgtt cntgcacggc agcaagacna 600

```

tntgggtccc	gtagttccgg	tcgccaggag	tagtgattg	cttaggacca	ttctgggtgg	660
aatgcattctg	gtgggtctta	aannatgtca	ggcagggcct	ggcaccagg	tctggcgga	720
agcctcacat	accgttntaa	tgacttcac	tgcttagaat	ttgtgggaa	acgatgcaga	780
aaaatctaac	cagggatgtt	tctgggccag	tcatgttggg	gatgcctcag	tcatgtaaaa	840
ttgagctccc	cctggagcac	accttaaaac	atcttctgtt	taat		884

<210> 60
 <211> 955
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 955
 <223> n = g, a, c or t(u)

cccntggaaa	accnaanana	atangnnnan	anaaanactc	cnccattga	gggaacnttt	60
tagggnttcc	nnntttcccc	gganccgcca	aatngnacac	caaaanngac	cgnantcttt	120
ggngtttct	tctcttggan	cgcnttttgt	tcgaccgggg	tgactaagg	catgtngggg	180
acgantaa	gtttccgggg	gcngntcggc	accttccnan	gngngngngg	tttggttctg	240
gaagnccgaa	nnggcatgt	ttaagatttg	ccnatccatt	taggggtcgt	tcaacgcctt	300
atctttngag	ttnttggagt	ttgggtgggg	aggggagatt	tagtggagga	gtaaattttt	360
agtagggaga	gaggggaagg	agatagaccc	ggagacagag	aagggaggga	ggaagggagg	420
gattatcctg	taggatgtga	gcccagacnt	gtctgtggtn	tctttccatg	acacaagaga	480
ctttntgctt	gtccctagaa	tgcttcattt	tntagtgtct	caaacttaaa	gggctagtgt	540
aaagttagac	tgtgaacann	tngtaaacac	aggtgacagg	aatgtntgtc	agctgggccc	600
nttatatgcc	acggcagagt	ggtacgtgat	gccccacat	gttatgtgga	agttntcatg	660
cagggcttca	gaacacagta	gatggagatt	gtgaaaatct	gttgtnact	taagagactg	720
gcccgaagga	tccatgtgat	gntacttctg	ttgcttgtgc	tttaaaatct	tatgtgatgt	780
tttgacagct	ccnttcggga	ccccagcaca	cagctgagag	tctgccctgc	tggcactgct	840
gcctgtctgc	tgaaggggaa	cccaggcatt	tgatgttggc	cggcccaagg	aggggctgaa	900
gctantgagc	aaggacagtg	atagacccac	acagnagttt	gcaagtaaat	gagnc	955

<210> 61
 <211> 1107
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1107
 <223> n = g, a, c or t(u)

caaaanncaa	nggtncnnn	ggnccattgg	gggggggtta	naatggaggg	gnttnggggt	60
ttaaannttc	ccccngntt	caaggaaatg	gggcttttga	ttggcaagga	aggaatgggg	120
nttccentga	ancctcctga	ggggccaaan	attggggggg	gttnacaccc	ccggggaaac	180
ccttcttgac	cccnagaaan	gcngtttag	ttccncccca	tggntccct	taccctgggn	240
tttttttgn	cagccnagca	gccctggttt	tccttgtttc	cttgggcnc	gaaaatttga	300
atccagtga	ttccaccatt	gagccngcag	aggttgatng	gcaggaangg	tttaaccctt	360
ngaccaggag	tgacaaattt	ngngggacnc	cccagtngga	gctcacaaca	ngtnacatt	420
gaggcnccaa	aggattgttg	aggggatgga	ttgtgtcgca	gtctggttgc	ctttatagt	480
ccagcatcgt	tgagccccgc	ccaggaggtg	ttggcacgcc	caaaccnna	cccagcgctt	540

```

gaggcaaggc aaacacactt cccagccctt taanttnena cgcctttgtt gcttggacgt      600
cccggantgg gagcaggatg aaggatttta gtgcaggaga agaccagtgc aagccggaga      660
catngagttc cctntaatte ggtgttcagt ttgccnttnt ggcacgtgac tcgtaactct      720
ggtatgtgtg ctgaaccntc taccagccag agatcagtgt ccttaaagtt cgaatcagtg      780
tgagggggac tgggaacaat actgatgctg ttgccctcta gtggcaaggc caactccaag      840
cgagagggga agcagtcagt ctaccgcata ctctaagata gtggttctcg acctctctaa      900
tactgcggat taatacatte ttcattgtgt ggtgacgctc caaccataaa gtgattttcg      960
ttgctgcttc ataactatat ttttgctact gttatgaatc gtgacataaa tactgtgttt    1020
tcagatggtc tcaggcaatt cctgtgaaag gggctctcca caggtttgaa agtntcccac    1080
ctgtaggtgg gccaaagctaa atgagat                                     1107

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<210> 62
<211> 92
<212> DNA
<213> Rattus norvegicus

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```

<220>
<221> misc_feature
<222> 1- 92
<223> n = g, a, c or t(u)

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<400> 62
atggggcatc ttgtaacagg aggcctggat tgagtactgt aactgagntc ttgaaagact      60
ttacctgtag gtttggneng cttgaaagag at                                     92

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```

<210> 63
<211> 209
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<221> misc_feature
<222> 1- 209
<223> n = g, a, c or t(u)

```

```

<400> 63
aattccagcc catcctgaga cacacagtga ccctgtctca caaaaccagg gaaaagccag      60
gtgcggagtc tcacgccttt aatctcagtc tccggaaaca gaggcagnng gatctctgtg    120
agttcccagg cgaganttct ttgtacaggg ncccctctga annncnctga aagatttcac    180
ctgtaggttg ggccnagctt aaaagagat                                     209

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<210> 64
<211> 97
<212> DNA
<213> Rattus norvegicus

```

```

<400> 64
acagagaaac agtgtttccg ttccttaaaa cgttgctcta tcttgaataa caagcttatt      60
acatgcgaat cgtattggga acctactgaa ttccgat                                     97

```

```

<210> 65
<211> 1047
<212> DNA
<213> Rattus norvegicus

```

<220>
 <221> misc_feature
 <222> 1- 1047
 <223> n = g, a, c or t(u)

<400> 65
 caaggtgaat tccanttggg gtttnnaaat ngtttttnaa aaanaaaattt tntttgggna 60
 ttgccttnaa ngtttgggnc ctgaattcaa aattccaant tacccaaaat ttcattgttcc 120
 atccanaatt naattccgga aatttacaat aatttgaatt ntagttttcc caattntaat 180
 ntcagtagtt tgnntttgtg tgcccnatt ntaanatcag acccgccaa tcaccaatt 240
 gnttttttnaa attgaatngt tttcccntgt accttccttg caangttgct ttaaattnga 300
 atttcagaat cccattgaa aagaatccgg gnnaaagcaa caccnttaag gaccccagga 360
 aaccagaaat tgnagaaan ttggacgnag gganttnaca ttnttnccgc canaggatgn 420
 ttgggntaaa aaccgcgttt gcgcaaggct cntgtgttg cctcttttcc gccgggggcg 480
 ctgtggataa tctctgggtc agtcgaaccg ttttaccatc catttcgtta ctccgagaga 540
 ctggcgcn cn ggggttct ccaagatggc ggcgcagagg aggagcttg tccagagtgt 600
 gaggaaccg acccgctctc tgggctggga ggggtgggag ctcggtgtg tcntcggtg 660
 cagaagctgt tgtctttaga tggcagagt cggaccctc gcccagagg cntagggtg 720
 cttgcagcgc gcgcaagacc ctttccagtc tagagcctcg cctagtctg cgctgctgcg 780
 ccacagagcc gggcctctga gggctcaagg cgccggggtc ctgcggaatg ggagcgtcct 840
 caagccggaa agggacatgg cgccgcccag cgggccatcc ggaggcgga cagactaat 900
 aataaatcgc cccccgcgc ccgcttgtgt aaggcgctgt gtatctctgg cattgtgtgg 960
 accgcctcac attcataagc ttcgtcagca gcagtagaga atggcttgaa agacnttnac 1020
 ctgtaggttt ggcagcttt aaaagat 1047

<210> 66
 <211> 1063
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1063
 <223> n = g, a, c or t(u)

<400> 66
 catnggagtt cccaatggnt tccntnaann ggtntnttc aggttgggca ncnttttagga 60
 attgaaaatn ttnnttggga tccccctaga atttgatccc attngggaaa ttttttattt 120
 ccngaacagt ccantnttaa aattgggcct nttgggatta acggattcca aggttgcaac 180
 anattggcaa gtttnnggac aggaggttcc aantggntaa agtggataaa tngtgaattt 240
 tggagangga attgacttgg ttgggggcca aaantaggtg gcattttgccc cggaggggtg 300
 attgcattct gttttgtgta aanatgaagn tacttgacag ctttgagata agaaggagac 360
 ntaatttgtt aaacatttta agtgttctat tctgccggag ttttggagag ggtatatgcc 420
 ggtcaggaag ggagccagaa gccagtaaca ttgcaagtat ttcaacatgg aaagctttag 480
 gttatctctt gtgcacttta tgctcggnta atgatgtaan ccaattgtaa tcttgggcac 540
 agctttccca tgtgtctttg gaacagctcg ggtttgtggt tntaaaacaa catttgcata 600
 tagttggagg cttatctaag gagcttctta gcatttgggt tgtaatttat tttagtattg 660
 tttcagctac ccattgctac atagtaaatg tacaaaaatt tagtggatta aaataatgat 720
 gtttgggttg ctacgaatc tttcatgttg gctgaagttg ccatttctgc ttctctctgc 780
 tgaacttggc atcaactgag agggttggaa tcacttgaag atgggggttag ccacacctcg 840
 cagttgatat tggctgtcag ttggaacctc agctggggtc agcatgcata agtaagcatg 900
 tgtcactttt ccaggtttct gtcttacagc atgggtggctt ggttctgaag ggccatcact 960
 ctaatggtgg ctgggttccc agcgagaacc agtgganccc aaggatagct tttggtgact 1020
 gaaagacttt aacctgtagg ttggggccna gctanaaaga gat 1063

<210> 67
 <211> 815
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 815
 <223> n = g, a, c or t(u)

<400> 67

ccccccccc	aaaccttctt	tccaaaccct	tnggggtggg	gaaaacattg	ggcaangggg	60
caaattnana	ccccttgga	tngttngccn	ggnaaagttt	cngttcccca	aaagccaaag	120
ggggggggtt	tccaaanatt	ccnggggttt	tttnnggggg	ttaaagggntt	naaaggtnaa	180
aaaatgttcc	cggngccccc	anacttccaa	aggttttccc	ttnnaaaatt	ccnggccttc	240
cgggggnccn	tntgttcccc	ccnttccccc	aaatnncttt	nngaaaaggg	ttnaanantg	300
ttnaaaancc	cnaangttaa	angggnnnat	nnaaaanggtt	tccctnnccn	ggggngggna	360
aaaaggtttc	gcgcgganac	cnntgatgcc	caggttcagt	ttccccggag	cttggggcca	420
gacccgcggc	gcgccttggg	tgtggcgagg	gcgcgcgggc	ttgcgcccgg	acggcttctc	480
cccgccttgc	actcccttcc	gcggcgccgg	gagtaggttc	ttccggctcc	ggtctgaggc	540
ggtgcctggc	accttctgac	caggatccgc	gggtcccccgt	gctgtggtcc	cgggaggcac	600
gcggggcctg	cctgctatag	cgggtttgca	gggcgagcct	ccctggagcg	gtagggctcg	660
tttgggtgtt	gcacgctcgg	tttgacgttt	taatccggag	gagttgtggg	gttcctcgaa	720
tctcaaaactg	ccttcttccc	ttttgagact	tgaaaatacc	cgaagcctgc	cttgtactga	780
aagacnttac	ctgtagggtt	ggcagcttaa	aagat			815

<210> 68
 <211> 1034
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1034
 <223> n = g, a, c or t(u)

<400> 68

aaaaaanagg	tttccccngg	angtccctng	gggntctttt	tnngancntn	cggtangggg	60
ncctnccctt	tttccccttg	ggggaggggg	ntttttaaag	cnannnnntng	gtttcnnttn	120
gggttaagtn	tttncccaaa	agttgggttt	tnnaaaaaanc	ccctttnncc	cggacgtttt	180
ccttnnccng	anaatatntt	ttgggccaag	ccnggttagnc	gggatttccc	aattgcgncc	240
cccttgnaaa	cgggttncgg	ggggngntnt	tnaggggttg	aacnggggtt	taaangtgcc	300
aaaacgggta	aattggaggc	attttngnaa	tggtttttgt	tnaaccnntc	ccttgggaaa	360
gggttgtagt	tttnaacggg	naaacaacc	ccgtngtagc	gggtgttttt	tntttnccaa	420
gcgcgggnta	agccnccgaa	aaaaaggatn	ccnggagacc	ttgnattttt	nnnggggttt	480
nacgcnatnt	tttttggaat	tttgggggga	taanaatttt	nnaccngaag	ttttngnggc	540
cncnccnnng	gnnaaaaaatc	tnannannat	tnngntattg	aacatttctt	ccntgcatac	600
ttatngangt	atgacccttt	aaacaattaa	gtacttggtt	tcagtgggag	agaaagtgtc	660
tagcctcaaa	aagacttgaa	gtgcccaggg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	720
tatgtgtgtg	tgtgtgtgtt	tgtgtgtgtg	taaccagag	gggtgcccac	ttgtcaaaaa	780
gagaaggggc	agaggaatat	gaggaagga	ttgtgggagg	gagtgaccag	taggggaaaca	840
gtgagtgtga	tgtaaagtga	ataagtaaaa	aaattaaatt	aaattaaaag	taaataaagt	900
gtctacaaag	tcaattactc	ctttcccttc	ctccaccctt	tcttctaata	ttagggcaaaa	960

acaaacncaa aaacanaaac aancaaaactg aaagactnta acctgtaggt tggncagctt 1020
gaaagagatn tttc 1034

<210> 69
<211> 186
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 186
<223> n = g, a, c or t(u)

<400> 69
agaccacctg ggtggaaact cctattctta caccaagctg cctctgtatc cacagatacc 60
aagaagtagc caccgttggt ttacttaact catgggtccac ggggtgagct gaggtctcct 120
tcctgagcaa gatggaaatt ttacttggtc tgtaaactag cgtgcattga atggangaca 180
tatgat 186

<210> 70
<211> 1028
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 1028
<223> n = g, a, c or t(u)

<400> 70
aaagggaacn ttttaagcnt tttnaattnn gttncnnaan aaggatttgc atttaccacc 60
cttaaattta ggnatttttg aatnatttca acccnttgca ggcagtttgt nccatgttnt 120
gggaaagtgt taacaggatg gttatttnga caaaacagggt tttttcagac catttgtna 180
ntatcttgaa atttcccagt ttttnaattn tattntaang atatntaggt tnnaatttna 240
tgacttcaat ttgtatanac aggttcttaa caaacagtggt gtaactgagt accttgcccc 300
agcatttaag gttacacaca tcatacgaac actgaagaaa atgtctgntc tttaattttc 360
cccttttctc tgtgtaattt ccttcaggac tcctttgtcc tgagtgggtc ggcccttgat 420
aagatgggtt atcttatttc tgtttgccc tggttgtaa tcntgcctga cagtctctgc 480
ttaatgcaga aaccaagcaa aggttcaggt tgtactggcn tccctttnta gttatctgac 540
agggatcagt tttcaagctg tagccgtggt cctcagagag acctctgccc atatacagca 600
gcagtctttc tcatcccagc cctgggaggt ctagcaaaga ttgactttc tgagttgttc 660
agggtcagag accatgtatc aagcctcggc tctatttctt gagtaaaatg ggcactctggc 720
acatctactt agatgcagaa atagtcagaa tgaagtgaag atgtaggagg agtcgtgtgg 780
agaaataggc tctctgaaag gaggttctt cttcacttta taagctgtag tgtcatccct 840
tcccaagtgg ctctgaaact gtgttagaag acatggcctc cccagagctt ggggaaacct 900
taaataaggc tgctgctcag atgtcagcac attttacgct ttactggaag acttctgctt 960
cctcttccta tttctccaaa tncanntgaa agacttgtag ctgtagggtt gggccagctg 1020
aaaagatc 1028

<210> 71
<211> 1034
<212> DNA
<213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1034
 <223> n = g, a, c or t(u)

<400> 71
 aaaaaanagg tttccccngg angtccectng gggntcnttt tnnngancntn cggttangggg 60
 ncctnncct tttccccttg ggggaggggg ntttttaaag cnannnntng gtttcnnntn 120
 ggggttaagtn tttncccaaa agttggtttt tnnaaaaanc ccctttnncc cggacgtttn 180
 ccttnncngg anaatatntt ttgggccaaa ccngttagn cggatttccc aattgcgncn 240
 cccttgnaaa cgggttnccg gggggngntn tnaggggttg aacngggttt taaangtgcc 300
 aaaacgggta aattggaggc attttngnaa tggcttttgt tnaaccnntc ccttgggaaa 360
 ggggtgtagt tttnaacggg naaacaacc ccgtngtagc ggggtgtttt tntttnccaa 420
 gcgcggnta agccncggaa aaaaaggatn ccnggagacc ttgnattttt nnnnggggtt 480
 nacgcnatnt tttttggaat tttgggggga taanaatttt nnaccngaatt ttttngnggc 540
 cncncnnngg gnnaaaaatc tnannannat tnggntattg aacatttctt ccntgcatat 600
 ttatngangt atgacccttt aaacaattaa gtacttggtc tcagtgggag agaaaagtgt 660
 tagcctcaaa aagacttgaa gtgcccaggg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 720
 tatgtgtgtg tgtgtgtgtt tgtgtgtgtg taaccagag ggggtgccac ttgctcaaaa 780
 gagaaggggc agaggaatat gagggaaagga ttgtgggagg gaggtagacc tagggaaaca 840
 gtgagtgtga tgtaaagtga ataagtaaaa aaattaaatt aaattaaaag taaataaagt 900
 gtctacaaa tcaattactc ctttcccttc ctccaccctt tcttctaata ttaggcaaaa 960
 acaaacncaa aaacanaaac aancaaaactg aaagactnta acctgtaggg tggncagctt 1020
 gaaagagatn tttc 1034

<210> 72
 <211> 824
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 824
 <223> n = g, a, c or t(u)

<400> 72
 gggggntttt cnnanntanc aaaaantngn tntancanng antnnttgag ntgttgaagn 60
 aangnggaaa angttttgaa atcantgtaa tgaggttcca aaaattgagc aggaaattgg 120
 atgntgtcag gagaaaccen ttcagtnttg tgcaattggt tcgccagcag ttaggaccgn 180
 ttccccatca cttgtgccag cggacatcca gntattgagc cntgnatcat ttatggnaa 240
 aattaggaac acacaacaga gatccgcttt ntgactgcca tgttcgcca actcaattgg 300
 gggaagtaat cctccagacc gttccgtttg cacgtntagg aagccacagt gaaaacacaa 360
 aattcgtgga ggcgactcta accaggaagc ctaatcccnt agattcccgg gacactgggg 420
 caggcgctct aaaaacagct ttgtggggct tcagtcctcc gtgcgggttc agtccgggtc 480
 ttggggatcg ccctcgcggg gaatgtccgg gactccgggtc ggtatctttt tggcctggga 540
 atttccagcg tgtggaaaaa gtccacaaac ttagtctca ctgcccgcct cgcctcctcc 600
 ggcccttctc ggtgcccacg cccccccga tcgaaccga ggatgagcat aggggtgtatt 660
 ttaggcgtgc tgggcttccc cgccccctc tgcccactta gctggcaaga agaaagccag 720
 cactataaag gaggccagg ccaaggactg gcctcctctt gctcacgagg tcagacgcga 780
 gctctgaaag acttcacctg taggtttggc aagctgaaga gatc 824

<210> 73
 <211> 774
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 774
 <223> n = g, a, c or t(u)

<400> 73
 gagggganna ncancaggac caancngata aggggggtcaa caacntgngt tccncccntt 60
 gagngggaaa tgagcacgng gcantccaac cgnntcaagg cccgnttcgg acggtcacac 120
 antaggtnt catntggatt gccngngttc cngttggcat ccgggaaaan tgagactgtg 180
 tcggtaccag agntaggatg gccntccttc ccngccccgg ccttnttggc gccttgcgat 240
 ccttcccgaa ccggcccntg gcgtctccgc cttnggcact tgcacatntg gcggcccagg 300
 atggcgcttc cgggatggcg ccagcgcgcg tacgtcatca cggagcgtcc atgtgttcct 360
 tctgtccaag cgcntaggag cctgcgcgta ctcccagcaa ggaagatgta ggaccaaaat 420
 gtagaagcac ttaacatgaa cgtcaaaacg atgaccaatc acagggcgat atatgcat 480
 gcgcaatggt ccaatcatgg ctcataagca atccggaagt ggccaattaa atatactatt 540
 tactaatcca gggttacaca gtgaaacctt gtctcgaaaa ataaacacag ggctggagag 600
 atggctcact gattaagaac actgactgct cttccagaag tcttgagttc aattccgagc 660
 aagcacatgg tggctcacia ccactgtgaa cagattctgg tttatgtnga gacaactaca 720
 gtgtactcgt attgaaagnt ncccacctgt aggttnggca agctaaanga gatc 774

<210> 74
 <211> 248
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 248
 <223> n = g, a, c or t(u)

<400> 74
 tgacacttca tggaaactga gaccggggagc ttccaccaga aggcaactgcc cagtggagaa 60
 aaccgacttc tttttgttgt tgttctgatg ttttgttttt gagataaagg tctcactgtg 120
 tagctcaggc tggttttgaa atcaggatcc tgaccctcag gaatgttaaa gtgcctaaaa 180
 gtgnggacaa attattttac gtgcctttga aagacttcac ctgtaggtnn ggcnaactag 240
 aagagatc 248

<210> 75
 <211> 833
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 833
 <223> n = g, a, c or t(u)

<400> 75

aanggggtta	tnntggagan	atnctaagnt	cccaaagcaa	nttaggattg	ctnccnnnng	60
aattnttaag	cntttgcatt	aagtantaat	gccaaaatga	ccccaanata	tngntccttg	120
antgtnttaa	aaangaggat	cttcnttgnc	catanacgcc	ntatatgaaa	gcaactgaac	180
aagatttaaa	attggacagg	tcacaancgg	gcgtgtgcct	ttaatcccag	cactcgnntgg	240
ctgatagaag	cagatgcatn	tatgtgggtt	tgaggacagn	tngnttnacg	tagagagttc	300
ntatatcagt	agggctttgt	agagaccnta	tctcaaaaaa	caaaagcaaa	acaacagaga	360
aaaaatcaat	tgaccatgtc	ccaattacct	ttatttatct	gtaacctatc	cttaggtata	420
ctcgtaatct	ttttctctct	tcagtttgcg	tacgggacag	cagacctact	cacaacccaa	480
gctntaaatg	atgagcgtac	tcagccaggg	agcttcaccc	cacttaaccc	cataagatgg	540
cggcagcgcc	tcttcaccca	ctcagggctg	aagcacgcat	cacgtgatgc	gctccagctc	600
tcgccgggt	ggctgacggg	aggtggagat	agaacgaggg	tgtcggccat	tttgtgtctg	660
tttctgcgcg	gacgtggtgg	tggcggttgg	ttccgagaac	tgtgcgagtc	tcttctctct	720
tttttttttt	ttgtttttcg	ttttccccc	agcttctttt	cgctctntt	ctgcatagtc	780
tgtagtgcgc	agttgaaaga	ttccacctgt	aggttgggca	agctaaaaga	gat	833

<210> 76

<211> 880

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 880

<223> n = g, a, c or t(u)

<400> 76

aanatggntt	ggtnttaaag	gttaaaattg	gggcaaaatt	tttccgcccc	ggtccttaaa	60
ccggattaac	tccaaggcca	aaattccgag	ggggaatcaa	caacaaggac	ccaaccggat	120
taaggcgggt	tcaaacaaac	ttggatttcc	ngcccttttg	ggcgggggaa	atgggcacgg	180
gngcattcca	agcngntcaa	ggttccggct	tgcggaaggc	taacacaant	aggtttctca	240
tctagattgg	ccngcgttgc	ggttgagcat	ccgggaaaaa	tgagattgtg	tcggtaccag	300
aggtaggatg	ggccttcctt	cccngccccg	gcttcctggc	gccttgcnat	ccttcccga	360
ccggcccttg	ggtctccggc	cttgggcaact	tgacatctg	gcggccagga	tgcgcttcgc	420
ggatggcgcc	agcgcgcgta	cgtcatcacg	gagcgcccat	gtgttcnttc	tgtccaagcg	480
cttaggagcc	tgcgcgctact	cccagcaagg	aagatgtagg	acaaaaatgt	agaagcactt	540
aacatgaacg	tcaaaacgat	gaccaatcac	agggcgatat	atgcgcgatgc	gcaatgttcc	600
aatcatggct	cataagcaat	ccggaagtgg	ccaattaaat	atactattta	ctaataccagg	660
gttacacagt	gaaaccctgt	ctcgaaaaat	aaacacaggg	ctggagagat	ggctcactga	720
ttaagaacac	tgactgctct	tccagaagtc	ttgagttcaa	ttccgagcaa	gcacatgggtg	780
gctcacaacc	atctgtaaca	gattctgggt	tatctggntt	cnactacagt	gtannggcat	840
tgaaagatnn	tacctgtagg	ttgncagct	aaaaaggatc			880

<210> 77

<211> 864

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 864

<223> n = g, a, c or t(u)

<400> 77

aattttaant	tggtggnata	anggcttgnc	catatccttc	ctnttgtttg	ccctaagtaa	60
cagccaattg	ggggagaant	ttntgtcag	tatcatattt	ttcgtaggg	aacggaggcn	120
caggaantga	tcntntggg	ttacagtcac	tttagcatag	gntgacagtt	ggngaccaan	180
tnatcttgcc	gtgttggaag	gagaggggan	taaggntgaa	gctcttgagt	ccnttgangc	240
ccttggaatc	gggaantccc	ttaaaccaac	cccttttgcc	gttgaaattgc	accaaccaga	300
ttcttccagt	ctgcttgagg	angacaggac	ttcattgctn	tggagagggg	caggagggtt	360
gggagttgac	ntnacagggc	tcagggattc	ttttagaagg	gtccagggtc	atggcttccc	420
cccccccag	ccaggtcaga	cactaaagtg	tcttaagccc	ctccatactt	gccgctcccc	480
cacnttgat	gaagccggcc	attaggcagg	gaccgtctct	gggagagggc	aagccctctg	540
gctcacttgt	ggatttcctt	taagcaagac	ttcctctctg	cttccaggac	tcctgtcaaa	600
caagagggtc	cctggcttag	agtttgggag	ctgcaggcag	aacagacatt	ccccgatgac	660
tcacaagcct	ggaactctgt	gggccagcag	gaatggggat	ggctttctgg	tcagttaggg	720
tcaactggga	cactcactct	gagacagggg	ggcaagggag	aaacagggtc	gaggtagaga	780
gagctcagtc	ccagggactc	acgttgagg	ccctaagggtg	cgctagggag	aggnttttac	840
attcggttng	gcaagctaaa	agag				864

<210> 78

<211> 874

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 874

<223> n = g, a, c or t(u)

<400> 78

gaggttgagc	cacaaggagn	ttgnggaaa	atnnaaaagt	caacctatca	gggtgtcttt	60
tagtttgga	cagaggcttg	ggcagaaata	tgggcaagta	ttaggaaagt	acaaggggaa	120
atgttgtcaa	cgcgnttggt	ttcccagttg	ttgnactgat	ccnccagga	tgttttccca	180
cntatgntat	ggaacntct	ctttcaggaa	gccattntna	ncntatggnt	tgcaaccctt	240
ttggggctgc	aacagcaggt	attaacatta	ggattcataa	cgntagcaaa	atnacagtta	300
tggagtagca	atgaaataac	tctatgnntg	ggagggtcac	cacaacanga	gggacggtat	360
cacagnttt	tagcattagg	aagggtgagg	accttatctc	agagtgtcnt	gacaatcntt	420
cntgggacca	cttgacttna	tctggagccc	tttccctcac	gctcntactc	cttaccatct	480
ctgcacagct	ctntgaggct	tagagcggtc	tttcttcata	gctttccntt	ttccttcagg	540
tatgcagtca	catcttgctt	tagaccccag	ggacattccg	tgtctgactc	actgcacaaa	600
atagtttccc	acatatgagt	cctcaaccgc	cccacatcac	gagacggaca	agaccggaga	660
cgccatacat	tctgtatttg	ccctccttcc	tcattttaa	aggaatttgt	tgctgtttaa	720
tttttcatta	tttgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	780
tgcgcgcgca	cgtaaatatg	ccgctcagaa	tagtctaaaa	ctgctgggct	tgaaagacnt	840
ncacctgtag	gtttgggcna	gctaaaagag	tatc			874

<210> 79

<211> 886

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 886

<223> n = g, a, c or t(u)

<400> 79
 attttttaat tgcagcaatc ctccctgcctt ttttcttggt tgtaantca caggatnttt 60
 gcacacttga ggttgaantt gcagcaatcc tcctgctttt gttnttggg cgcttggatt 120
 atagtatgtg cataacactt gagcagtaac tgttttcttc aatctcattt atctcagaag 180
 ttcccttgn tgattcagac gttattaatt aggcaaacca atgttgattg tcattaccca 240
 tgagttgctt ggcttgtgag atgcatactg tgtgttcgtg aggcacntac tgtgaggcat 300
 gtgcccgtga ggttcatggc tgtgaggtgt gtgcccgtga ggttcatggc tttctngacc 360
 acngggagta tgaaggagag gaatcctacg tttgatgcca gccagggtta tacagcaaga 420
 tcccgctcctca aaacaaaatg aagaagtaga gagattagt ttaataagca actgaggcct 480
 tgaagggtctg aggtcaggcg gtgccctggt gcacacacag aagcgtgcca gtgacgtcag 540
 acagactcag ccctgtgtca gacaggccgg aggggtgactg gccatgtggc gtgattggac 600
 acattcccaa aaaaggaact cgatggaaga ggctcctcnt gctccagaca gggcgggtgt 660
 tatgtgactt gtgcgagatt agtctcatac cctattgcta gcctgtgcct ggtaccacgg 720
 acatggtaca atccaggag gagccgtaag cactacaggg gagccatcct gaatcccagc 780
 aagtccaact tctgtttttt cttccttccc cgcaacatta ggaatgactt ctaagagngc 840
 tgttgaaaga ctttcacctg taggttgggc aagcttaaaa gaggat 886

<210> 80
 <211> 865
 <212> DNA
 <213> Rattus norvegicus
 <220>
 <221> misc_feature
 <222> 1- 865
 <223> n = g, a, c or t(u)

<400> 80
 tggaggtaaa agtcacaagn ttttcaagg tttgagatga cagttcaacg tgagnattng 60
 acaaggattg attcttgtnn acaggaaagn tccccatccc accaananac accgtgttca 120
 ggcccantgc tcagagctcc gggcgccagc gaagggcaaa cggccactga ttggaaagnt 180
 gcagtttaaa gacatgtccc aggaactggt anccttgtgt gactggactt agccttgcaa 240
 ntctgtctga agcataacnt gntgctgtct ntggcgagc atttatgtgc cccacttgag 300
 acccatctca ggacacgcag gacacggtcc agtggagctt tccctocaga gagaggtgtt 360
 aggnnccatc agtgagcttc caaggacagg ggaccagaac ggtgaaaaca aaccagggct 420
 gtgaaggaga gcagggcggg ggggggggga gggggggcgc tctntagaat agattgaacc 480
 tgcagagctg cttgctacct gaagtgtca cccttttacc caccacntc atctgtctct 540
 gcttgaccat ctcagcaagt gtcacctcgc tgccaggaca caagtttctt aaagcttatt 600
 tcagtgtcag ccgctgggga gacacattca gggcatgggc gtccccagc cctcggggag 660
 aatgtgggag gtggcgatgt gggagggatt cgagagaaga gaatgcttaa gaaccatcca 720
 gggaacctgt gcgtttgaag gtctgagtta cacacaggct gctcaggaag gagctagagc 780
 tccaaatagg agctgtgatc aggtgtgtgt tgtgtgcctg tgaaaagact ttnacctgta 840
 ggtttgggcn agcttgaaaa gtatc 865

<210> 81
 <211> 859
 <212> DNA
 <213> Rattus norvegicus
 <220>
 <221> misc_feature
 <222> 1- 859
 <223> n = g, a, c or t(u)

<400> 81

cangagcant	ntgaancagg	catttntgga	agggctccng	agaaaacacg	tggaattnct	60
tgtctctggg	acttttagtnc	cagcnaggan	gatncagtga	gggaacacac	cgggcttttg	120
ttgtgcacgg	gaggccaggc	tcancnncct	tgggagnttg	acatccagca	ggctatanac	180
agtgatccag	gggacatgta	cacatgggga	actgnccagg	cagagaaaga	caagagaaaa	240
tctcaaanga	tgaagacaga	gangagtaat	atggccagaa	ngatacagtg	cctcntgcat	300
aacccttgag	tttaatttcc	agggccaact	gtattttgaa	agtataaatg	aaagttcctg	360
aagtaataaa	tttataggat	gtagtatca	cactgttcag	aataagctcaa	aaaatcctgc	420
cntgtcctct	taagtatgtg	aatcatcttt	tactgcaacg	tgtccacaat	gtatatacta	480
catacccaaa	agtcctcact	gttatcccaa	ttagtaggct	ggctgccaat	agttgtccat	540
acagagtgcc	tgctgtctgtg	gccatccnta	ctgtagtaaa	cagtcatcca	aagctcagga	600
gtgaggctat	tgtagaaatg	cacttcctgg	gggccctact	gtcagtgagc	acctgagaga	660
gaaagggaca	caggcccaag	gtgggaggcc	ttagataaa	gcccacatg	ctcaggaaag	720
gatttntaca	gatctcttag	ggaagttaca	atcaaattca	tacctcacag	cagagctcag	780
gagaagaatc	cataaagnnt	gaagacatgc	ttgtngtgnc	tgaaggacnn	tacntgtagn	840
tngggccngc	tgaattttt					859

<210> 82
 <211> 1021
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1021
 <223> n = g, a, c or t(u)

<400> 82

caatngncaa	aggtttggaa	cccgngaaat	ttnaaaagtt	tgcgngantg	gttgaenttc	60
cnggtgtnaa	nggtttcccc	gttcngattg	nagggatcnc	ttttatccct	tttttnagnt	120
tttttttgag	nggaattttg	ggttcnaant	gngttaccct	taagtaaccc	cattttgcan	180
ggcatggaaa	atacctaaan	tgggatngaa	agttcanatn	gaggtcagga	anggntggaa	240
cagggtnagc	cggttngacc	gttggacctt	tgaganccat	cagatntttc	ccagggtnc	300
ccaaggactt	gaaatgaccn	tgtnccctat	ttnaantacc	caatcagttg	gtttctcgct	360
tctgttcgcg	cgtttttgtt	cccggagttc	aataaaggag	cccacaaccc	ntcantnggg	420
cgccagtcct	ccgattgact	gagtcgccc	ggtaccctg	tatccaataa	accntcttgc	480
agttgcatcc	gacttgtggt	cttcgctggt	ccttgggagg	gtctcctctg	agtgattgac	540
taccgcgtag	cgggggtcct	tcaaactgca	gttctcaagt	aagctcaacc	atccgaggg	600
cattctcaaa	gccaagtcaa	acttgggagc	cctcactcct	ggtggtcttt	caaaagaccg	660
tgcattggat	agtcagagac	tctgcaggag	cggattaagt	ccaggcctgt	ctccctgctt	720
tctgcctggg	ttctaaagtc	aagaaggcca	gatggctcag	atagttgaga	cagtggctta	780
gctgattctc	tggggatgca	tttggctctg	ccaggaaacc	ctggagagtt	ttctacccaa	840
gatactaaag	ttcaaacggc	agcgcctgtc	ggcagactca	gcctatacaa	agctggcctg	900
tatctgatgg	gattntaagt	ccctgggcag	acccgggttt	gtgggcctga	agcttgagtt	960
ncaggagact	tagtggggcca	tgggattcct	ttaggatccc	gatatggnca	aacttaaact	1020
						1021

g

<210> 83
 <211> 1013
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1013
 <223> n = g, a, c or t(u)

<400> 83

ttttgagttt	tctcngcccc	nttgtgncng	aaanncagcg	ggggtntntc	actgtgnntc	60
tcacatgtnc	tcacacanat	cngggggacn	ctcacancnn	catctcacnt	ntgnganctc	120
acactcgtgt	gggntctttc	aaaacantgt	ncnntggata	cncagacact	cnncnagnng	180
ggtnatctn	cacnngtgte	tcngngnttt	nngcnngnnn	tcnaantca	aaagcgncat	240
nnggcacata	tntntgacac	ngnggtatat	nngnctctcn	ggnganacat	ttgntnecga	300
caaaaancn	tgagatttn	tctacncaat	annctanttt	tcacaggnga	gcncntgtnn	360
anacncncac	cntanacaan	tnnggnntgt	ntcagaggng	attttanctc	nntggncana	420
cccgntntng	tgnccaaan	tnttgttttc	caagacatat	agtggnacat	gnnactctnc	480
gatntccgat	gagnananat	gtgntcngac	ntttacagcg	natacacngt	ggngcanntn	540
tcacagatat	gtgtntatnt	cnnacanaca	aatntgcnnng	actcctctcg	tgtataaatc	600
aatanacggg	ngggttaaca	tnnggccncn	gttggnncagt	natanccnga	aacacactcn	660
caagggtcnc	aanttttnca	ncatacacn	cncncccgan	gggncngngc	acaaatgtgc	720
nccgaaattt	tatncgccnc	naacactctn	aaattnntcc	cgggacccta	gatataattt	780
tcncatttna	aaatttgac	attntttnc	anttgccang	gnantcgggg	gttcaccnc	840
cnnttgggg	aggggnntnt	tnaacccggg	ttcnaantta	taggggggtt	tanatcnccc	900
catttttttn	aaaagngttt	accntgggcc	ccntnttttn	cnaaaaaatt	tgnccccngt	960
ttancnccgg	ggttggggaa	cncgaatttc	ttngggngcc	cccctnagnn	ttt	1013

<210> 84
 <211> 1002
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1002
 <223> n = g, a, c or t(u)

<400> 84

aaananttna	cacggattcc	ttttcctcaa	aaccaatggg	ggaataaatg	atgtngtagg	60
gttccccngt	aatggatact	aggttgaact	tccangggga	antattattt	caataagggt	120
ttagagggtc	cacttgtnat	caggttattc	tgttgctttg	ggtcaagcaa	acagccnatc	180
aggattgtga	ttattngant	aaccatttta	cctnacagcn	gggaggaaan	ccaangggag	240
gcttgaggaa	acggcttggt	ggttcataaa	ctctttgaat	cataccttgg	gtgattcaaa	300
tgctttttac	taggctctcc	tttcatagta	cctctcttgt	ggacaaggac	ccagtccttt	360
gaaaagcatt	gaaaactcaa	accataccac	tatcagtttc	agctttaata	taaattagct	420
ttctaagttc	agctgaccac	nttttcaact	gaccttcaact	gatctcacag	ggaagatata	480
ttttcaacaa	ttacaaagac	atttctgggt	tggactatgc	attccttttg	gccagattct	540
acatcctttt	tttatgccag	aatttttttag	cgttcctgta	agattgtcag	tttccccctag	600
gaaatccata	aagctttaaa	tgctttctaa	atagccaata	ttttaatgag	aaatgtagtc	660
actgatattc	ctttgtattt	aaaggttatt	ttgaggggag	ttgcttggtt	ggttggttgg	720
ttggttggtt	ggttggttag	ttggttggtt	tttgcttttg	ttttctgtcc	catggtaata	780
tgatacttat	gtcatagatt	agttaactca	aatggctctt	tcagggtggca	gtctggaaaa	840
caactaactt	ggggggaaaa	aggctgtctc	atgttctata	aaagctgtac	atgtgatttt	900
ctctgcttta	ccttttatac	tcatttattn	tgttatttgt	gtatgaaagc	cttccgtatg	960
aaagaccntt	acctgtaggt	ttggggngct	agaaaagatc	tc		1002

<210> 85
 <211> 1031
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1037
 <223> n = g, a, c or t(u)

<400> 85
 caacnnccat nttttggaat ttgnnggggta aaattttaaac cgatttcnttt tccncaaacc 60
 caantggggg atatnnatgt atgtngtagg gtccccnngt aatggaatat ttaggttgaa 120
 cttacaaggg aaatattatt ttcacaatgg ttttagagggt ccactgtnac aagtattctg 180
 ttgctttggn ccangtcaaa cagcccatca ggatgggtgat attagaatta accattttatc 240
 caacagccag gagaaancca aaggggagctt gagaaacggc tgtggggttca taaaactcct 300
 tgaatcatat cttgggtgatt caaatgcttt ttattaggct ctcccttcata gtacctctct 360
 tgtggacaaa gaccccagtc ctttgaaagc attgaaactc aaaccatacc actatcagtt 420
 tcagctttta tataaattag ctttctaagt tcagctgacc accttttcac tggaccttca 480
 ctgatctcac agggaagata tattttcaac aattacaaag acatttctgg gttggactat 540
 gcattccttt gggccagatt ctacatcctt tttttatgcc agaatttttt agcgttcctg 600
 taagattgtc agtttccctt aggaaatcca taaagcttta aatgccttct aaatagccaa 660
 tattttaatg agaaatgtag tcactgatat ctctttgtat ttaaagggtta ttttgagggg 720
 agttgcttgg ttggttggtt ggttggttgg agttggttgg ttttggtt 780
 ggttttctgt cccatggtaa tatgatactt atgtcataga ttagttaact caaatggtct 840
 tttcaggtgg cagtcctgaa aacaactaac ttggggggaa aaaggctgct ccatgttcta 900
 taaaagctgt acatgtgatt ttctctgctt taccttttat actcatttat tttgttattt 960
 gtgtatgaaa gcccttcncc tatgaaagac nttcactgta ggtttgggcn gctagaaagn 1020
 gatcnnaaaa a 1031

<210> 86
 <211> 1039
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1039
 <223> n = g, a, c or t(u)

<400> 86
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 nanaccccaa taccttggat nttttaanat gncctgggt aagcnaantt gaattatttt 120
 ccntgggata anaagtggaa tcattgacag ttttgggtc cttttnnat ccccatgngg 180
 tttnatgact aggcacttta tttcatggac aaaccagtg tgtccctcnt ggggactgag 240
 tgggattaaa aaaaccttcc aaaaatgtgt aatntgatca aaccattga gacaatcagt 300
 gnggagtatt agcaaattaa actgacttgt tcacttntga aaantgatgt ctgatttcgg 360
 aagaatccca gtgcctcggg acatgaaagg gagatgtaac cttgagttca tgggttaggag 420
 ggaattcata gagacagttg gtaaaaatct gagtgaggt gagagggttg aggaccacat 480
 tgtgtatttg ctcatontgt gagggagaga ctttgtactc tgctctgaga aggcagaact 540
 gttaggcaga cacttagaga atatatgtca tggcaaaaga catccacca acaagtcttc 600
 agtaacaaag cactaaacag aaaggggttg aagagactgg tcagtggctg agagctttta 660
 ttgctcttac agaggactcg gcattgcntag cagctcacia cagcntgtga cttcaacact 720
 atgcctctgg cctcaggaga cacctgtgta ctcccacca gacacatata cttaaaaata 780

aaagaaatct	tttaaacatt	gagcaaatgt	aatcaggta	taacattgaa	tatatctggg	840
gccaggaatt	attctgggtt	attgcctttt	tcggaagcct	aatatcacac	atagagaaat	900
aggcagcaca	ggcctaacag	cccataatgt	gtgctattct	atcaatagtg	ccaagtattg	960
acatggacta	ttcaaaaggc	ccaaaagtta	aatggcccag	aagtncaaca	taaagnccgg	1020
cnagctaaaa	gagatcnc					1039

<210> 87
 <211> 1058
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1058
 <223> n = g, a, c or t(u)

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tnttgccag	ttgggatttt	gattgantgg	gaacccccca	ggntttaata	agcctttgga	180
tttgttcaca	ggggattaac	aaantccttt	gnttaatggg	gattgaattt	gggaaattgn	240
ttcctaatt	ttccaggacc	aatgcacant	ggantattag	aactgatgta	acagagtgat	300
atgggaccaa	gtaggaacaa	gggtgcaggt	ttgccgaggc	aggtaattgn	tggtcttgtc	360
attgtcataa	ctttcttgaa	agtttttaga	cttggacgga	cagaagacat	gatcattagt	420
atacttgatg	acaagtggag	atgaaaggac	aaaaattgtg	cacatcaaga	ggagaattta	480
acattggggt	ttcttgcat	agctatccac	tcttgccctc	accctccac	ccccttaatc	540
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aagcttgacc	ttagaagggt	gagactctgg	aagcctgaga	gagatgagat	ctgtcaaaga	720
aacgcttagc	gttggtatgg	gatgcgtagg	aggctgtact	cttggtctct	agatgctatc	780
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catcccatca	gcaagcaaga	cctgtactga	agccagcagg	ggcgtgggtac	agagtcgggc	900
attttttgca	tgccatgctg	gtttgatgtt	tgaactctaa	agggtggagac	tggtgggggc	960
agcagggcag	acagtcttct	gatgatttct	ctgccttcaa	actgaggttn	actcttgaaa	1020
gattncacct	gtaggtnggg	caagctaaaa	gagaggcc			1058

<210> 88
 <211> 1043
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1043
 <223> n = g, a, c or t(u)

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ccttngaaaa	ngagttgtag	tnttaancgg	caaacaacca	ccggtttag	cgtgggtttt	180
tggtgcaagc	ngcggttagg	gcggaaaaaa	ggatntaagg	agatcctttn	ncctttcttg	240
gggtctgac	gnntcatgtt	gtgtggaatt	ntgagcgggt	acaatttcac	acngattttt	300
tatgcaaatc	cacttgccaa	gttggnataa	ctgacttatt	ttaccgggaa	ntctccatgt	360
atcttctttg	gacacttacc	cttacagagc	ccaggatgaa	ttttgaccaa	gccaaagtatt	420

cacacagccc	aatgtgacat	gttaccacaa	attgnggatt	ttccttcagt	acactcaa	480
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taaattcttg	ctgttccata	acagaagtca	gcaagtgact	caccctccag	atacaggtat	720
attacctcca	ctcccatcca	cagagactta	attctagtca	gcttcatgat	agtgagcctt	780
catccgtaag	gagctgtatg	gtatgggaag	gggatacaga	cagggccagg	gggtgtttta	840
aacggtaacc	cagggaccac	atccattaaa	aacactggac	tgtttgtag	agtgatatatt	900
cctgagcatt	gcctatccct	taaggtaacta	caaaatttgg	gagtgaggct	cagcaaaacta	960
ttttaacatg	cctctccacc	aacnactcaa	gattcccgtg	nacagttgaa	agtttncacc	1020
aaagtggtggc	aagctaaaga	gat				1043

<210> 89

<211> 454

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 454

<223> n = g, a, c or t(u)

<400> 89

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gaaaacttct	ctggagaatg	tgcaagatc	accatggcaa	cctgtcccgg	gccctgcctg	120
gcagggtccc	aaggcacaca	aataacgcca	ctggaatgtg	gtgcagggct	ccgggtgggg	180
tgactagaaa	agctgccaat	tttccatgaa	aaccaccggg	gagaagcctc	agcctcagga	240
aggtgtcagt	agagagggct	gggttctctc	tagcaccaag	ggacaggctg	tgcgcaagca	300
tcgcgagaag	caactcacc	ggcctccttt	ggggcagggc	tgctgaaat	gaaccggctt	360
cagttttgtg	cagctcaagg	gcacaaggnt	agtgcctttt	ncttggnct	gaggcactnn	420
taaatgtagg	ttgggcgcgc	taanaaagat	ccnt			454

<210> 90

<211> 873

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 873

<223> n = g, a, c or t(u)

<400> 90

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cacagctcaa	gttggtgaac	accttgggaa	actaccactt	attcaccag	aggagagttg	180
attcaagtag	ttagtacnt	tntgcatcag	aanccaccag	ntactgccgg	tgagagtcgg	240
taatnccang	aactcatcca	tgaggcaaaa	tttaaggaca	cacggcttga	cacagagatg	300
gttanatcgg	ctgtgacagt	tcttttagtg	gagacttttg	ctttctgaat	ccacagggct	360
tactttcttt	ctttttcttt	tttaagacaag	ctctcatttt	catcttgaga	aaatgtctga	420
tcaagccacc	aactgaaaac	ctgccattat	aaacgagggg	tttcacaatg	ctcattccaa	480
aatctgcggc	tattcatttc	tggaagtgc	tcactgagga	aggacggctg	ttgggggtgg	540
gagggagaga	tcatttttag	gagaccgcct	gctctctgag	aactgagcag	aaaccccaga	600
gtggttagca	cgtgtgtgca	gcgaccccag	ctcagctctc	tgagtcaccc	cctccccccag	660

atgacacgcc atgaccagtc tcctcgtgaa agccacttgg tggacaaaaa gcccttttggg	720
ctgtgcaccc agcctcacat ctgcctctct gggggctatt ttcacataaa tcaggaggga	780
ggcagcagca gttgccacc tgttttngac tccgattgct tggggantga aggactttnt	840
naatgtaggt ttgggncngc tnaaaagatc cnt	873

<210> 91
 <211> 876
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 876
 <223> n = g, a, c or t(u)

<400> 91	
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acggctgtgg nttcataaaa ctctttgaat cataccttgg gtgattcaaa tgctttttac	180
taggctctcc ttcatagtac ctctctgtgg acaaagaccc agtccctttg aaaagcattg	240
aaactcaaac cataccacta tcagtttcag ctttaataa aattagcttt ctaagttcag	300
ctgaccacct tttcactgga ccttcaactna tctcacaggg aagatatatt ttcaacaatt	360
acaaagacat ttctgggttg gactatgcat tcctttggcc agattctaca tccttttttt	420
atgccagaat tttttagcgt tcctgtaaga ttgtcagttt cccctaggaa atccataaag	480
ctttaaatgc cttctaaata gccaatattt taatgagaaa ttagtgcact gatattctct	540
tgtatttaaa ggttattttg aggggagttg cttggttggg tggttgggtg gttggttggg	600
tggttagttg gttggttttg gctttggttt tctgtcccat ggtaatatga tacttatgtc	660
atagattagt taactcaaat ggtcttttca ggtggcagtc ttgaaaacaa ctaacttggg	720
gggaaaaagg ctgctccatg ttctataaaa gctgtacatg tgattttctc tgctttacct	780
tttatactca tttattttgt tatttntgta tgaaagccct tccgtcctga aagaccttta	840
cctgtaggtt tggncggttn aaaagatcnc tggggc	876

<210> 92
 <211> 459
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 459
 <223> n = g, a, c or t(u)

<400> 92	
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agtggcmeta agggacaagg taataatggt aatatgcttt tgtgtatgtg ttcttttaga	120
gttatgttaa aatctagaga agcaaagtcg attctcatag atgcttttag tctttggacc	180
ctgactagag acagtttaca ccctagacaa gagagagaat ggggttgagt aaaacagtcc	240
tcccgaactc tccacagatg ctttggcaaa agaaggaaat gagcttaaac tttttggagc	300
tctcctggga acagaaggag gtgggagacg tcttgccctc ttgctggctc ctattggaga	360
agtgttatt tctggttntg ggttttttag gtngnttgtc tgggttcctn gggncctgag	420
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<210> 93
 <211> 3133
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 3133
 <223> n = g, a, c or t(u)

<400> 93

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acaccaaac	acaccacac	accaaaccac	acccacacac	caaaccacac	ccacacaccc	120
gagtgtggtg	tgtcctcctc	actgagtgtc	agccagccct	ttcctctact	tcaggtaaag	180
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tgacttgtga	caacttacat	atacatagac	atatatacat	atacagctta	catagacgca	360
gagcctcaga	ctcctctgaa	gaacgggttg	attctgtgct	ctgcagagat	gctgggagag	420
tgtataaaaa	ggtcaagaaa	gcaggcttag	aaagaagggc	aactctacct	agtgtctcct	480
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<210> 94

<211> 2161

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 2161

<223> n = g, a, c or t(u)

<400> 94

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gcagtttctg	aaaacatttg	tttggcggtt	ttctatttgt	ttactaagtt	agttcagttt	180
tcacagtggt	cacaaactag	aagtcattca	tatgagtaaa	atctgttaaa	acgtcttcat	240
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aaaggacact	aaattgcttc	tccttttcca	tcagtggtg	ccctcaagct	tggatcttga	1200
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aagttcanar	ctgcaracac	agccttaggt	gttaaacagt	atatttttaa	gagcttcaag	1620
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aactacctgc	catggtagca	agctccagcc	acctgaaaag	cagccagccc	tcctggggca	1800
gcactgcatg	aggaagcctg	aacccagca	aaggagcatt	gggctgctat	gtctgttctg	1860
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tgtgtgtgtg tgtgtgtgtg tgttagaata agcaactact gacaaattca rgarcataaa 2040
cattatggaa atttttttgt gtatgtcatc attttaattt taaaagatgc cttattttct 2100
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<210> 95
<211> 824
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 1- 824
<223> n = g, a, c or t(u)

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<400> 95
gggggntttt cnnanntanc aaaaantngn tntancanng antnnttgag ntgttgaagn 60
aangnggaaa angttttgaa atcantgtaa tgaggttcca aaaattgagc aggaaattgg 120
atgntgtcag gagaaaccn ttcagtnttg tgcaattggt tcgccagcag ttaggaccgn 180
ttccccatca cttgtgccag cggacatcca gntattgagc cntgnatcat ttatgggnaa 240
aattaggaac acacaacaga gatccgcttt ntgactgcc a tgttcgcaa actcaattgg 300
gggaagtaac cctccagacc gttccgtttg cacgnttagg aagccacagt gaaaacacaa 360
aattcgtgga ggcgactcta accaggaagc ctaatccent agattcccgg gacactgggg 420
caggcgctct aaaaacagct ttgtggggct tcagtcctcc gtgcgggtcc agtccgggtc 480
ttggggatcg cctcgcgggg gaatgtccgg gactccgggtc ggtatctttt tggcctggga 540
atttccagcg tgtggaaaaa gtccacaaac ttagtctcta ctgccgcct cgcctcctcc 600
ggccttctc ggtgcccacg cacccccga tcgaaccga ggatgagcat aggggtgtatt 660
ttaggcgtgc tgggcttccc cgccccctc tgcccactta gctggcaaga agaaagccag 720
cactataaag gaggccagg ccaaggactg gcctcctctt gctcacgagg tcagacgcga 780
gctctgaaag acttcacctg taggtttggc aagctgaaga gatc 824

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<210> 96
<211> 774
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 1- 774
<223> n = g, a, c or t(u)

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<400> 96
gagggganna ncancaggac caancngata aggggggtcaa caacntgngt tccnccntt 60
gagngggaaa tgagcacng gcantccaac cngnttcgg acggtcacac 120
antaggtnt catntggatt gccngngttc cngttggcat ccgggaaan tgagactgtg 180
tcggtaccag agntaggat gccntccttc cngccccgg ccttnttggc gccttgcat 240
ccttcccgaa ccggcccntg gcgtctccgc cttnggcact tgcacatntg gcggcccagg 300
atggcgcttc cgggatggcg ccagcgcgcg tacgtcatca cggagcgctc atgtgttct 360
tctgtccaag cgntaggag cctgcgcgta ctcccagcaa ggaagatgta ggacaaaaat 420
gtagaagcac ttaacatgaa cgtcaaaacg atgaccaatc acagggcgat atatgcat 480
gcgcaatgtt ccaatcatgg ctcataagca atccggaagt ggccaattaa atatactatt 540
tactaatcca gggttacaca gtgaaacct gtctcgaaaa ataaacacag ggctggagag 600
atggctcact gattaagaac actgactgct cttccagaag tcttgagttc aattccgagc 660

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aagcacatgg tggctcaciaa ccatctgtaa cagattctgg tttatgtnga gacaactaca 720
gtgtactcgt attgaaagnt nccccactgt aggttnggca agctaaanga gatac 774

<210> 97
<211> 248
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 248
<223> n = g, a, c or t(u)

<400> 97
tgacacttca tggaaactga gaccgggagc ttccaccaga aggcactgcc cagtggagaa 60
aaccgacttc tttttgttgt tgttctgatg ttttgtttt gagataaagg tctcactgtg 120
tagctcaggc tggttttgaa atcaggatcc tgaccctcag gaatgttaa gtgcctaaaa 180
gtgngacaa attattttac gtgcctttga aagacttcac ctgtaggtnn ggcagctag 240
aagagatc 248

<210> 98
<211> 880
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 880
<223> n = g, a, c or t(u)

<400> 98
aanatggntt ggttntaaag gttaaaattg gggcaaaatt tttccgccg ggtccttaaa 60
ccggattaac tccaaggcca aaattccgag ggggaatcaa caacaaggac ccaaccggat 120
taaggcgggt tcaaaacaac ttggatttcc ngccctttgg ggcgggggaa atgggcacgg 180
gngcattcca agcngntcaa ggttccggct tgcggacggt taacacaant aggtttctca 240
tctagattgg ccngcgttgc ggttgagcat ccgggaaaat tgagattgtg tcggtaccag 300
aggtaggatg ggccttcctt ccngccccg gcttcctggc gccttgcnat ccttccccga 360
ceggcccttg ggtctccggc cttgggcact tgcacatctg gcggccagga tgcgcttccg 420
ggatggcgcc agcgcgcgta cgtcatcacg gacggtccat gtgttcnttc tgtccaagcg 480
cttaggagcc tgcgcgtact ccagcaagg aagatgtagg accaaaatgt agaagcactt 540
aacatgaacg tcaaaacgat gaccaatcac agggcgatat atgcgcatgc gcaatgttcc 600
aatcatggct cataagcaat ccggaagtgg ccaattaaat atactattta ctaatccagg 660
gttacacagt gaaaccctgt ctcgaaaaat aaacacaggg ctggagagat ggctcactga 720
ttaagaacac tgactgctct tccagaagtc ttgagttcaa ttccgagcaa gcacatggtg 780
gctcacaacc atctgtaaca gattctgggt tatctggnnt cnactacagt gtannggcat 840
tgaaagatnn tacctgtagg ttgncagct aaaaaggatc 880

<210> 99
<211> 864
<212> DNA
<213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 864
 <223> n = g, a, c or t(u)

<400> 99
 aattttaant tgttggnata anggcttgnc catatccttc ctnttgtttg ccctaagtaa 60
 cagccaattg ggggagaant tttntgtcag tatcatattt ttcgtaggg aacggaggcn 120
 caggaantga tccntntygg ttacagtcac ttttagcatag gntgacagtt ggngaccaan 180
 tnatcttgcc gtgttggaag gagaggggan taaggntgaa gctcttgagt ccnttgangc 240
 ccttggaate ggggaantccc ttaaaccaac cccttttgcc gttgaattgc accaaccaga 300
 ttcttccagt ctgcttgagg angacaggac ttcatcgctn tggagagggg caggaggggt 360
 gggagttgac ntnacagggc tcagggattc ttttagaagg gtccagggtc atggcttccc 420
 cccccccag ccaggtcaga cactaaagtg tcttaagccc ctccatactt gccgctcccc 480
 cacnttggat gaagccggcc attaggcagg gaccgtctct gggagaggcc aagccctctg 540
 gctcacttgt ggatttcctt taagcaagac ttctctcttg cttccaggac tcctgtcaaa 600
 caagagggtc cctggcttag agtttgggag ctgcaggcag aacagacatt ccccgatgac 660
 tcacaagcct ggaactctgt gggccagcag gaatggggat ggctttcttg tcagtcaggg 720
 tcaactggga cactcactct gagacaggga ggcaaggag aaacagggtca gaggtagaga 780
 gagctcagtc ccagggactc acgttgagggt ccctaagggt cgctagggag aggnntttac 840
 attcggttng gcaagctaaa agag 864

<210> 100
 <211> 874
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 874
 <223> n = g, a, c or t(u)

<400> 100
 gaggttggac cacaaggagn ttgngggaaa atnnaaaagt caacctatca ggggtgtcttt 60
 tagtttggaa cagaggcttg ggcagaaaata tgggcaagta ttaggaaagt acaaggggaa 120
 atgttgtaaa cgcgnttggt ttcccagttg ttgnaactgat ccnccagga tgttttccca 180
 cntatgntat ggaacnctct ctttcaggaa gccattntna ncntatggnt tgcaaccctt 240
 ttgggggtcgc aacagcagggt attaacatta ggattcataa cgntagcaaa atnacagtta 300
 tggagtagca atgaaataac tctatgnttg ggagggtcac cacaacanga gggacgggat 360
 cacaggnttt tagcattagg aagggttgagg acctattttc agagtgtcnt gacaatcntt 420
 cntgggacca cttgacttna tctggagccc tttccctcac gctentactc cttaccatct 480
 ctgcacagct ctntgaggct tagagcgggtc tttcttcata gctttcctnt ttccttcagg 540
 tatgcagtcac catcttgctt tagaccccag ggacattccg tgtctgactc actgcacaaa 600
 atagtttccc acatatgagt cctcaaccgc cccacatcac gagacggaca agaccggaga 660
 cgccatacat tctgtatttg cctccttccc tcatttaaat aggaatttgt tgctgtttaa 720
 ttttccatta tttgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 780
 tgcgcgcgca cgttaatatg ccgctcagaa tagtctaaaa ctgctgggct tgaaagacnt 840
 ncactgttag gtttgggcna gctaaaagag tatc 874

<210> 101
 <211> 886
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 886
 <223> n = g, a, c or t(u)

<400> 101

atTTTTnaat	tgCagcaatc	ctCctgcctt	ttttcttggg	tgTtaantca	caggatnttt	60
gcacacttga	ggttgaantt	gcagcaatcc	tcctgctttt	gttnttggg	cgcttggatt	120
atagtatgtg	cataacactt	gagcagtaac	tgTTTTcttc	aatctcattt	atctcagaag	180
ttccccctgn	tgattcagac	gttattaatt	aggcaaacca	atgttgattg	tcattacca	240
tgagttgctt	ggcttgtgag	atgcatactg	tgtgttcgtg	aggcacntac	tgtgaggcat	300
gtgcccgtga	ggttcatggc	tgtgaggtgt	gtgcccgtga	ggttcatggc	tttctngacc	360
acngggagta	tgaaggagag	gaatcctacg	tttgatgcc	gccaggggta	tacagcaaga	420
tcccgtctca	aaacaaaatg	aagaagtaga	gagattagt	ttaataagca	actgaggcct	480
tgaagggctg	aggtcaggcg	gtgccctggg	gcacacacag	aagcgtgcc	gtgacgtcag	540
acagactcag	ccctgtgtca	gacaggccgg	aggggtgactg	gccatgtggc	gtgattggac	600
acattcccaa	aaaaggaact	cgatggaaga	ggctcctcnt	gctccagaca	gggcgggtgg	660
tatgtgactt	gtgcgagatt	agtctcatac	cctattgcta	gcctgtgcct	ggtaccacgg	720
acatgggtaca	atccagggag	gagccgtaag	cactacaggg	gagccatcct	gaatcccagc	780
aagtccaact	tctgtttttt	cttccttccc	cgcaacatta	ggaatgactt	ctaagagngc	840
tgTtgaaaga	ctttcacctg	taggttgggc	aagcttaaaa	gaggat		886

<210> 102
 <211> 865
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 865
 <223> n = g, a, c or t(u)

<400> 102

tggaggtaaa	agtcacaagn	ttttcaaggg	tttgagatga	cagttcaacg	tgagnattng	60
acaaggattg	attcttgnn	acaggaaagn	tccccatccc	accaananac	accgtgttca	120
ggcccantgc	tcagagctcc	gggcgccagc	gaagggcaaa	cgccactga	ttggaaagnt	180
gcagtttaaa	gacatgtccc	aggaactggg	anccttgtgt	gactggactt	agccttgcaa	240
ntctgtctga	agcataacnt	gntgctgtct	ntgggcgagc	atttatgtgc	cccacttgag	300
acctatctca	ggacacgcag	gacacgggtc	agtggagctt	tcctccaga	gagaggtgtt	360
agggnccatc	agtgaacttc	caaggacagg	ggaccagaac	ggtgaaaaca	aaccagggct	420
gtgaaggaga	gcagggcggg	ggggggggga	ggggggggcg	tctntagaat	agattgaacc	480
tgCagagctg	cttgctacct	gaagttgtca	cccttttacc	caccacntc	atctgtctct	540
gcttgaccat	ctcagcaagt	gtcacctcgc	tgccaggaca	caagtttctt	aaagcttatt	600
tcagtgtcag	ccgttgggga	gacacattca	gggcattggc	gtcccccagc	cctcggggag	660
aatgtgggag	gtggcgatgt	gggagggatt	cgagagaaga	gaatgcttaa	gaaccatcca	720
gggaacctgt	gcgtttgaag	gtctgagtta	cacacaggct	gtcagggaag	gagctagagc	780
tccaaatagg	agctgtgatc	aggctgtgtg	tgtgtgcctg	gtgaaagact	ttnacctgta	840
ggtttgggcn	agcttgaaaa	gtatc				865

<210> 103
 <211> 859
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 859
 <223> n = g, a, c or t(u)

<400> 103
 cangagcant ntgaancagg catttntgga agggctccng agaaaacacg tggaattnct 60
 tgtctctggg actttagtnc cagcnaggan gatncagtga gggaaacacac cgggcttttg 120
 ttgtgcacgg gaggccaggc tcancnncct tgggagnttg acatccagca ggctatanac 180
 agtgcacag gggacatgta cacatgggga actgnccagg cagagaaaga caagagaaaa 240
 tctcaaanga tgaagacaga gangagtaat atggccagaa ngatacagtg cctcntgcat 300
 aacccttgag tttaatattcc agggccaact gtattttgaa agtataaatg aaagtccctg 360
 aagtaataaa tttataggat gttagtatca cactgttcag aatagctcaa aaaatcctgc 420
 cntgtcctct taagtatgtg aatcatcttt tactgcaacg tgtccacaat gtatatacta 480
 catacccaaa agtcctcact gttatcccaa ttagtaggct ggctgccaat agttgtccat 540
 acagagtgc tgctgctgtg gccatccnta ctgtagtaaa cagtcatcca aagctcagga 600
 gtgaggctat tgtagaaatg cacttcctgg gggccctact gtcagtgagc acctgagaga 660
 gaaagggaca caggcccaag gtgggaggcc ttagataaag gcccatcatg ctcaggaaag 720
 gatttntaca gatctcttag ggaagttaca atcaaattca tacctcacag cagagctcag 780
 gagaagaatc cataaagnnt gaagacatgc ttgtngtgn c tgaaggacnn tacntgtagn 840
 tngggcngc tgaattttt 859

<210> 104
 <211> 883
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 883
 <223> n = g, a, c or t(u)

<400> 104
 ggggggnnaa naatttccca aaaanngnng gnccentttt ttatccagtt tnnggttgaa 60
 natctcnccc cggtttnaaa acccncaatg gggaaaaagg tacancngat tntttatngg 120
 tttgggcgga gggggaaatt tttttggttt tttnttttnn gggatttttg aaaaaaaaaan 180
 gaanttttta ggtttcccn angtaattta tttcaatgga ccatttttg gggtctccct 240
 tttgtaanan gttaaaaaana aggganttec aannttnctt ttcagtttc agtttcacct 300
 tcngtagcag acccagtttt cattttgagn tggtnccnaa aaggnttccc aactatgttc 360
 aataccacag gcagcctgca ggaggagaa tgggtatgta ttaacagca ttgacccaaa 420
 ttataagagc agagaggagc tttaccagg acaggaaggc aaaagagctg aatnttaaac 480
 aaaagaataa gaacaggatn tcatctgtga gctgtcacag tgggtttgca gagcaggaga 540
 acacagacag gattagctat aaagttgtta cattagttat tntattggag catacaatac 600
 ttaaatagtt ctagggcaag agaaatgaac agaaatgacc ttataagagc cagagctgta 660
 gccacagctt tctttgtgct tagtttgnta gttcantctt tccagggcag tctggtggat 720
 nacaccaa atgtcttagaa aatgctagnt ctactgtccc tgtctattgt cagctttgca 780
 atgtgcatag tgacaggagt tgcctgggag cttggggctt atgttttgca gatccattgt 840
 aattaaataa gaattgtaag gagatggagg cacggggtga ggg 883

<210> 105
 <211> 987
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 987
 <223> n = g, a, c or t(u)

<400> 105
 canntttccc ntanccgaaa nttntttttt ggcccaaccn gtaagacgga ttttttncaa 60
 ttgcggancc aatggaaccg gtttgccggg nngtnttttg gggatgaacgg tttnttaant 120
 ggngccaaan aaggttnatt ggaggnctta tttgaattgg tntgtaaaanc nttntcttgg 180
 aaaagnttg tagcnttaan ccggcaacaa accaccgggt gtacgggtgt tttttgttgc 240
 agccgcagnt tangggcaga aaaagaattc aggagatcct taancttttt ntccgggntc 300
 tgacgctcat gttgtgtgga tttntgagcg gttacanttt nacacggaat tctattcact 360
 ggcattgact acttccccgg gttcatgagt cagcagttag ttatctaggt atgtgttttg 420
 tgttgcaaat tcccatatat agaatatggt cccggggacc atagaaagtt gagcagttgg 480
 gcaaaattct tccccaggag gtgtgttcaa gagaagaggt tcagcccttg aaagagcttc 540
 cgtttctatc ntcacaaaca tcntgaaaaa taggctaaat gttattctgt gaagagtcac 600
 tactggtttt actgatggtg gaagttctca gactgtctag aaaggtaatt ttaaaacgta 660
 agaaaattag acccctgtcc ccagatctgt tgggtgttag aaatctgtag aaacttgagc 720
 aggaggaagt acaagaaagt atgtagctat tgtaatccct ttcaggaagg atgtgtttaa 780
 agctctattg ttagggcctt tcgcttgac tggtgaagtaa ttttttactt tttataagct 840
 taaaggatgg cttaataaga cgtcttagaa atgtccacat tatattggat caacaaacgc 900
 caaagcatca gtttgcgtca ggggccacgg ggcattggga ctaacgggtc attccttttg 960
 aatctggatg cctaggtgca gtagggc 987

<210> 106
 <211> 1031
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1031
 <223> n = g, a, c or t(u)

<400> 106
 agtctctgcc cnttggaag ggtaacctg acctaacccc cnaataant ncccttagga 60
 ttgcttgcca tggnttttac gcgtaacct antaaaaact tgangaaant tcttccctt 120
 tgattctagc aatgnaccg cattttgcca atcnattcng ctgnantaat tatgaagttc 180
 cggtttaanc aatttgaagt ttaacattca tgatcttca cagtcattg tttttgtgta 240
 tgatgaaacn ccattgctgc ttgcnccatt tgnccaggan tgagtcattt gtctagctg 300
 nccatgctgt atattgctacc natccatcag ttattcatag ccagcttggg tgtngactaa 360
 caacagtagt ttcacantgc tttgtgttaa agtcacctc agttttattta atgttggcac 420
 caaagcacat gntagtgtg tcagcantgc tgatatgcca gggaaaagcc attaggtatt 480
 cctttatgtg taaagggtga aaattgttga ttgaatgaag ggaaaaatta ttctgctgat 540
 tgatgttggg aagggcatta gaggatcata ttactagttt tgactaagc tctgaagttt 600
 gtacatgaat ttatggatcc tccctgcaat agattcctga tgctctctaa catccatctt 660
 ctcatatgac atccttctgg ccagatatct agctttattt tctctactct gctgcaccac 720
 tgctctgccc tttggggatc agtccccata gaatgggagg aaaacaatgg cctccttaga 780
 ccatgaatgg ccttctctca gtaccatgaa gaatcgggcc atcttgtcag agggaaattt 840
 tcttacatc ctcagtcact gtttctgtca ccattatata ttatatgtt gcctaagagt 900
 gaggggtgatt tgtgtagtaa ggaatgtatg tggtgttggg gtagtttggg tgagaacggc 960
 tccccaaagc tcatgtattt gaatggntat gaaagacntt cacctgtagg tttggcnagc 1020
 tagaaagg a 1031

<210> 107
 <211> 1138
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1138
 <223> n = g, a, c or t(u)

<400> 107

caancaccnc	ncggananga	ncccggnnga	annagagaccg	gnacanacacg	acgngancag	60
cgaagncanc	ncgnnnnngg	cncgncagag	cgnnccgancg	cgacnanagn	acgncgccga	120
nangananna	nccggngnna	ncanncaggn	gggaaacagc	ccagagagat	aggacancaa	180
acnaganagn	acacancgng	acgagananc	ccgaaagnnn	nanacnnana	nanaannaag	240
agaanagnnc	aacnnnnnca	nnnngaccng	gaanagggnn	nnngaacngc	nancnnccna	300
gnngcngan	cnanacacga	cngaagagac	gngngcngaa	naganacncn	gaanngnaac	360
aagangnana	annngacagg	aancacnnag	nagggngngg	gcaagcgcaa	ngnnnganaa	420
nnnacaacag	aaaaagannc	anancanaag	ngncgagagn	annagaanna	gngaaanncg	480
nanncgcncc	gaagaagaac	gnnggacaaa	naccgacgna	ncnnnnncan	ngannaaanc	540
gcangnancn	gacnaggaac	gacngnaagn	gcnaaggnac	ganngncaga	nnanangaaa	600
cacgnnnnan	acannnaccn	ancgcagcgg	nncaggaaaag	nggngcnacn	gaggngngcc	660
aanaaganaa	nngngagann	acaaaaaaa	nggnggncan	gcagnanaaa	accgagnncn	720
nnnnnannna	gaganagaac	gagannnnang	nncgaannac	gcnacaaaga	angggannnn	780
cgnangacgc	nncggaacaa	ngaccnnnnn	aaanncaggn	anccaacnag	gnaannnaga	840
nnnagngncn	ccanngcaag	cncncacnaa	gaagaagana	ccccccccc	annangnagn	900
aagcncncnc	ngngaggnaa	cncgagaccc	cccngnaggc	agcancgcc	agngnagcgn	960
ncagagnacn	nanntaacag	accgaaggaa	nagccgnaaa	acaccaaana	cnagacnacn	1020
agcnagnccc	gcgcacnnng	gagnaancna	ccnncnaang	acnganancg	nggncncgcg	1080
tnttnngttn	aacgcancnn	ggggcgggcc	nngggaaacn	cngggggaca	aaaggcg	1138

<210> 108
 <211> 1072
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1072
 <223> n = g, a, c or t(u)

<400> 108

cccttnaant	gggncccaaa	ngggnttccc	ccccaggggt	tcccccccc	cctaaanttg	60
cctttntaac	ccagggttg	nnnnntggaa	tttttgaann	tggagntcn	nnngnaacat	120
tnccgggatt	tttgaggagt	ttgaatgacc	ggaattntac	tttttgggtt	ccggcnggca	180
ccccnttccc	ccaaggttna	gngagttttg	aaggtaaaag	tcacaagggt	tttaaagggt	240
ttgaggatga	cagttcaacg	tgaagatntt	gacaangatt	gatttttgta	nacaggaaaa	300
gntcccnatc	ccaaccaana	aaaccgtggt	naggcccaat	gttcagagct	cngggcncca	360
gggaagggca	aacgccaat	tgattggaaa	gctgcagttt	aagacatgtc	ccaggaattg	420
gtaccttggt	tgattggact	tanccttgca	actttgtttg	angcataact	tgntgtgtct	480
ttgggggagc	atttatgtgc	cccacttgag	acccatntca	ggacacgcag	gacacggtcc	540
cagtgaagctt	tccttccaga	gagaggtgnt	aggggtccatc	agtgaagctnc	caaggacagg	600
ggaccagaac	gttgaaaaca	aaccagggtt	gtgaaggaga	gcagggcg	ggggggggga	660
gggggggcgt	tctctagaat	agattgaacc	tgacagagctg	cntgctacct	gaagttgtca	720

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cccttttacc caccacctc atctgtctct gcttgaccat ctcagcaagt gtcacctcgc      780
tgccaggaca caagtttctt aaagcttatt tcagtgtcag ccgctgggga gacacattca      840
gggcatgggc gtcccccagc cctcggggag aatgtgggag gtggcgatgt gggagggatt      900
cgagagaaga gaatgcttaa gaaccatcca gggaaacctgt gcgtttgaag gtctgagtta      960
cacacaggct gctcagaagg agctagagct cccaaatagg agctgtgatc aggcgtgtgtg    1020
tgtgtgctgg tgaaagactn ccacctgtag gtnggccaaag ctaaattgaga tc          1072

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<210> 109
<211> 1094
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 1- 1094
<223> n = g, a, c or t(u)

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<400> 109
ggtttngggt ganatcctcc caatgccnan aanttccctt ttttaagatt ttttttttcc      60
gggaaaattn taaaantttt aactgggggtg gnaaataata aggnrtgttn tgggggttggc    120
ccaatttttg nanttttagga aaagttcttt gggtnaatc cagcnttgat tggaggagca      180
attatnttgt tanaanttat ggttgtgggg atgcttggtt aatcttttag atgtttcccc      240
ttctgtctcc cttttggaat ggtcttaata ggttgcnaaa attntacntn ttggatcagc      300
tttttnatna gatttagccc agtgtgctna ncttgtgaga cccntttnac agganttgct      360
tggncatttt gaaacacgta tttatgtcan gattcataac agtngcaaaa atatatgttat      420
gaagcagcaa gaaaatcact ttatgnttgg aggtcaccac aacatgagga atgtattaa      480
cgcagtatta gagagttcga ganccactat cttngaggat gcgttagact gatgtttccc      540
ttctcgcttg gagttgacnt tgccantaga gggcaacagc atcagtattg ttcccagtc      600
ccntcacant gattcgaact ttaaggacac tgatctctgg ctggtagagg gtccagcaca      660
cataccagag ttacgagtca cgtgccagaa gggcaaaactg aacacggaat tagagggaac      720
tcgatgtctc cggcttgcac tggctttctc ttgcactaga atcnttcac ntgctcccag      780
tccgggacgt ccaggcaaca agggcgtgga aagtgagggg gctgggaggt gtgtttgcct      840
tgccctcaggc gctggggtggg gttggggcgt gccagcactc cctgggaggg cctcaccgat      900
gctggccact ataaggccag ccagactgcy acacagtcca tcccctcgac cactcttttg      960
gcgcttcatt gtcgagtgtg gtgagctctc actggggcgt cctcttaaga tctgtccact    1020
cctggtttta ggggttaagc ctttcgtgcc cctgaaagt nccacctgt agtgggcaa      1080
gctaaaatga gatc          1094

```

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<210> 110
<211> 1107
<212> DNA
<213> Rattus norvegicus

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```

<220>
<221> misc_feature
<222> 1- 1107
<223> n = g, a, c or t(u)

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<400> 110
atctcattta gcttggccca cctacagggtg gganactttc aaacctgtgg gagaccctt      60
tcacaggaat tgcctgagac catctgaaaa cacagtattt atgtcacgat tcataacagt      120
agcaaaaaata tagttatgaa gcagcaacga aaatcacttt atggttggag cgtcaccaca      180
acatgaagaa tgtattaatc cgcagtatta gagaggtcga gaaccactat cttagaggat      240
gcggtagact gactgcttcc cctctcgctt ggagttgacc ttgccactag agggcaacag      300

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catcagtatt	gttcccagtc	cccctcacac	tgattcgaac	tttaaggaca	ctgatctctg	360
gctggtagan	ggttcagcac	acataccaga	gttacgagtc	acgtgccana	anggcaaact	420
gaacaccgaa	ttanagggaa	ctcnatgtct	ccggcttgca	ctggctcttct	cctgcactaa	480
aatccttcat	cctgtctcca	ntccgggacg	tccaagcaac	aaaggcgtng	naanttaagg	540
ggctgggaag	tgtgtttgcc	ttgcctcaag	cgctgggtng	gggtttgggc	gtgccaacac	600
tccctgggcg	gggctcaacg	atgctggcac	tataaaggca	accagactgc	gacacaatcc	660
atccccctcaa	caatcctttg	gngcctcaat	gtcnacntgt	tgtgagctcn	cactggggng	720
tccncnnaaa	tttgtcactc	ctggtcnaag	ggttaaacn	ttcctgccna	tcaacctctg	780
cnggctcaat	ggtggaatgc	actggattca	aattttcggn	gccaaggaa	acaaggaaaa	840
ccagggtgc	tnggtgtnc	aaaaaaancc	cagggttaagg	gancccatgg	nggggaanct	900
aaacngcntt	tctnggggtc	aagaagggtt	tccccggggg	tgtnaacc	ccccaatntt	960
tggccccctca	ggaggnnttca	ngggaanccc	cattccttcc	ttgccaatca	aaagcccat	1020
ttccttgaan	ccngggggaa	nntttaaaac	ccnaancccc	tccattntta	accccccca	1080
atggnccngn	ngnaccnttg	nnntttg				1107

<210> 111

<211> 1069

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 1069

<223> n = g, a, c or t(u)

<400> 111

aatttttttt	nccgnaaaa	ttttnaaant	tttaantggg	ggggtaanna	nnaaggttgt	60
ttctgggnnt	ggcccathtt	tgacacattag	ggaanagttnt	ttggggtaaa	nttccagcng	120
ttgattggag	gagcaagtga	tnttggtana	atztatgggt	gtgggggatg	ntgttaaaat	180
cttttaggat	tggttcccct	tntgtctccc	tttttgga	tggnctcttan	ataggtggnt	240
caaaattcta	cntnttgaa	tcagcntatn	tcatcaggat	ttagcccagt	gtgntnaacc	300
tgtggagacc	cntttcacag	ganttgcttg	agaccatttg	aaacacagta	tttatgtcan	360
gattcataac	agtagcaaaa	atatagttat	gaagcagcaa	cgaaatcact	ttatggttgg	420
agcgtcacca	caacatgagg	aatgtattaa	tccgcagtat	tagagaggtc	gaganccact	480
atcttagagg	atgcggtaga	ctgattgctt	cccntcttcg	cttggagttg	accttgccan	540
tagagggcaa	cagcatcagt	attgttccca	gtccccctca	cactgattcg	aactttaagg	600
acactgatct	ctggctggta	gagggttcag	cacacatacc	agagttacga	gtcacgtgcc	660
agaagggcaa	actgaacacg	gaattagagg	gaactcgatg	tctccggctt	gcactggtct	720
tctcttgac	tagaatcctt	catcctgctc	ccagtcggg	acgtccaggc	aacaaggggc	780
tggaaagtga	gggggctggg	aggtgtgttt	gccttgccctc	aggcgctggg	tgggggtggg	840
gcgtgccagc	actccctggg	cgggcctcac	cgatgctggc	cactataagg	ccagccagac	900
tgcgacacag	tccatcccct	cgaccactct	tttggcgctt	cattgtcgac	gtgtgggtgag	960
ctctcaactg	ggcgctccctc	taagatctgt	ccactcctgg	tntaggggtt	aagcctttcg	1020
tgcctgaaa	gatttncacc	tgtagggtgg	gcaagctaaa	agagangcc		1069

<210> 112

<211> 1058

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 1058

<223> n = g, a, c or t(u)

<400> 112

cagggttttg	gttttccaag	gncccccccc	tgggggttac	aaaatggcgn	nnantcgngg	60
tgggaaccng	acgggtttta	gntaccgggt	ttccccntgg	agtcctntgg	ggttcctntc	120
cgaccttcgg	ttaccggtac	ctgcccnett	tttcctttgg	gagggtgggn	tttttcata	180
ctcagctgta	gtatctcagt	tcgttttagt	nttngnccaa	gttggtttnt	gcaggacccc	240
cngtnagccg	gaccgggtgc	ccttatccgg	taatatgtgc	ttgagtccaa	ccngtagaca	300
ngattattgc	cattggcagc	agcaatgtaa	caggttngca	gagcgaggta	tgtaggcggt	360
gtacnggggt	cttgaagtgg	tgcntaant	tacggntaca	ntngaggggac	agtatttggt	420
atttgcgctn	ttgttgaagc	cagttacttt	nggaaaggag	ttgntagtgc	ttnatccggc	480
aaacaancca	cngttgntag	cgggtggttt	tttgtttgca	agcagcagat	tacgcgcaga	540
aaaaaagnat	ctcaggaaga	tccttttnat	ttttctttcg	gggtctgacg	ctcatgttgt	600
gtggaattgt	gagcggataa	caatttcaca	cagaatttct	cttagaaaaa	tctgtccttc	660
agaaacttaa	attctgctgt	tccataacag	aagtcagcaa	gtgactcacc	ctccagatac	720
aggtatatga	cctccactcc	catccacaga	gacttaattc	tagtcagctt	catgatagt	780
agccttcctc	cgtgaaggag	tgtatgggat	gggaaggggg	tacagacagg	gccaggggtg	840
tttttaaagc	gtaacccagg	gaccacatcc	attaaaaaca	ctggactggt	tgtgagagt	900
tatatctctg	agcattgcct	atcccttaag	gtactacaaa	atttgggagt	gaggctcagc	960
aaactatttt	aacatgcctc	tcccacccaa	ctactcaaga	ttccccgtgc	acagttgaaa	1020
gnttttccac	ctgnaggtgg	ggccaagcta	aaagagat			1058

<210> 113

<211> 1046

<212> DNA

<213> Rattus norvegicus

<220>

<221> misc_feature

<222> 1- 1046

<223> n = g, a, c or t(u)

<400> 113

cannaaaann	agttccaagg	aantggntgc	ccngaacaag	gacccaaaac	ntgnnnnana	60
angggggann	naanggcana	annnatggac	gagagtnaan	ancgcnangn	agaagantna	120
aaantcncca	nntggngccc	caaatnncnc	aattgancca	aancnntaga	ggnncccaag	180
acnaatgggc	actntganna	gancngggcca	gaagncaagn	gggggannnt	catagnnaca	240
tggananaat	aaagntntgt	aaacccggan	tggcaatnga	aaccagcaaa	gacccatgaa	300
cgtgagngan	accagttgga	aacaatgaan	nnantgggtg	antnacagga	atgnggtnan	360
gacgcnnagt	gancccaaan	aggcaacncc	attgaaagcc	ttcnccncca	tggaaatact	420
gtanntaaaa	caaacaaaac	aatnacaaaa	anaaaaaacc	caaagcttaa	gtggagtgcc	480
cnttccagnt	agccaccnnn	taagaactgt	aaatcgccac	ntcccangcc	agatgcaggt	540
aagggnaggat	tacaggnatn	tcggaggggt	caggagggaa	tgggtcncaa	nntgagctga	600
ggcncnggtg	anttncgcta	cntcgnaaaa	aangagaagt	catgtgggac	gnatgtgtgt	660
aagcacagct	cntgtgangt	caagtcagca	acantatgcc	atactctgaa	gacagaggnc	720
cataatagna	ttgttacang	atncnngact	tttanaaaan	caaaatccta	aatcctattc	780
tccgtgggcc	cacacgaaac	anccatccat	caggatcatc	tcacagttgc	ctctgannnt	840
tngtnttctn	ggaancntan	gntntcggag	ttggggaccg	aactcagggc	cgtgtgcttg	900
ctaggcaagc	gctctaccag	tgagctaaat	ccncaacccc	cacagntgcc	tcntntgatt	960
gnaggtntcn	tatcccnttc	ttttgtggca	agntcttctg	ggccccntga	aagtgaannc	1020
acntaagngg	ncgccagcta	agnaga				1046

<210> 114

<211> 1083

<212> DNA

<213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1083
 <223> n = g, a, c or t(u)

<400> 114
 ctcccnnggcc ccaaaaattn ttttanaaan ttttttttcc gggnaaaattt tnaaaatttt 60
 aagngggggg aannacaaag nnnnttntgg gntggnccaa tggggaaaat taagnnnnann 120
 ttgnntgggg tgaattcccg ccntngnttg gaggaggnaa ttatnttgta gaaatttatg 180
 gttgtggggg atnttgtaa atcttttgaa tgtgttcccc ttntgtttcc cttttgggac 240
 atggntctta ataggtggnc aaattttacc ntnttggaat cagcctattt atcaagatta 300
 gccagtggtg ctcaaccttg tggaaccctt ttaacaggat ttgcttggnc catntgaaac 360
 acagtattta tgtcaggatt cataacagta gcaaaantat agttatgang cagcaagaaa 420
 atcactttat ggttgagcgc tcaccacaac atgaggaatg tattaatccg cagtattaga 480
 gaggtcgaga accactatct tagaggatgc ggtagactga ttgcttccct tctcgcttgg 540
 agttgacctt gccactagag ggcaacagca tcagtattgt tcccagtcct cctcacactg 600
 attcgaactt taaggacact gatctctggc tggtagaggg ttcagcacac ataccagagt 660
 tacgagtcac gtgccagaag ggcaaaactga acacggaatt agagggaact cgatgtctcc 720
 ggcttgactt ggtttctctt gcactagaat ccttcatcnt gctcccagtc cgggacgtcc 780
 aggcaacaag ggcgtggaaa gtgagggggc tgggaggtgt gtttgccttg cctcaggcgc 840
 tgggtggggt tggggcgtgc cagcactccc tgggcgggac tcaccgatgc tggccactat 900
 aaggccagcc agactgcgac acagtccatc ccctcgacca ctcttttggc gcttcattgt 960
 cgacgtgtgg tgagctctca ctggggcgtc cctctaagat ctgtccactc ctggtttagg 1020
 ggttaagcct ttngtcccc tgaaagttn ncacctgtag gtggggcaag ctanagagat 1080
 ntt 1083

<210> 115
 <211> 913
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 913
 <223> n = g, a, c or t(u)

<400> 115
 ggggaaaaaa atntgggncc ctttnaaaga aattctggaa anccgccggt ggggnatttt 60
 taanatagggt ggggnccnaa aancttgatt tcccttttcc cttttgantg nntaaagttg 120
 cnaanttccc tttggacgcc nttaacaaga ttagccngtg tgtaaccttt gggcccttta 180
 acaggattnc ttggcctntt gaaacacgta tttatgtcag gnttntaccg tngcaaantt 240
 ngttttgagc agcaacgaaa tcactttatg gttggaggtc accacaactt gaggatgtat 300
 taatccgcag tattagagag tcgagaacca ntatcttaga ggatcggtag actgatgttt 360
 ccnttttngc ttggagttgn cttncacta gaggcaacag catcagtatt gttccccagt 420
 ccccttcaca ttgattcgaa ctttaaggac actgatctct ggcttggtag agggttcagc 480
 acacatacca gagttacgag tcacgtgccg gaaggcaaac tgaacacgga attagaggga 540
 actcgatgtc tccggcttgc actggtcttn tcttgacta gaatcnttca tcntgctccc 600
 agtccgggac gtccaggcaa caaggcgtg gaaagtgagg gggctgggag gtgtgtttgc 660
 cttgcctcag gcgctgggtg gggttggggc gtgccagcac tccctgggag ggcctcaccg 720
 atgctggcca ctataaggcc agccagactg cgacacagtc catccccctg ccactctttt 780
 ggcgcttcat tgtcgacgtg tggtagctc tcaactgggc gtccctctaa gatctgtcca 840
 ctctggtct agggnttaag cctttcctgc cctgaaagac cntacntgta ggttngncaa 900
 gctaaatgag atc 913

<210> 116
 <211> 1123
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1123
 <223> n = g, a, c or t(u)

<400> 116

acgcnatntt	ggtggaattt	ggggggtaaa	aattttnaac	gaattaggna	ncttagggna	60
cnaaatccga	aatggggaat	ngggntaaat	ttcgaaacct	ttnggaggnn	ntaaatntaa	120
aaatgaggnt	aattggnttn	gaaangcnta	tcaggcatcc	caaattntta	aatttccctt	180
ggccagagat	tggggaaaaat	tttncccga	ntccagnttt	aggttnnttg	gaaaaacggn	240
gccccaggga	ttgttgccac	nttcccaatn	aaggnggttt	tccntccaan	gcctttnggg	300
gnaaaaccag	ggggggnttn	aggggcccga	ttcaggaaaa	ggggaccgga	ntcgggtccc	360
ggaaggnttc	ccgnggggga	atcaaccgga	ttcccntccg	gaggccgggg	gggaccttta	420
ggtttccctt	tgcaggggta	anatccctt	tttcaaccgg	gggggtttgc	ggggnacgcc	480
cctttgccct	ttcccttccc	ttgccnggcc	cgttttgccc	aattnggccg	gtcctaactt	540
gttggcgcaa	gggacttttg	gcagccccgg	ccggtttggc	ggttggactc	caagggggta	600
acagggccaa	accnttttgt	tgaanaaagt	taacttgccg	ccccagtcn	gcgtcagtgg	660
gnangtgacc	ccgcntttag	gagtttgccc	cngccnttag	gccttgcccc	cagaggtcgc	720
cccacntact	agagtgtcgc	ttggcgcgat	gacgtangan	gacgcaggcg	cagttagtag	780
gcgacgttgg	gacggccctt	ggttgtgtcg	ggggcggaac	tntgntggct	ttgagcgctt	840
tcnaaacagt	aggttgcttg	gggctctgcg	gcgtcggaac	taaggcgggg	aggagcaaga	900
aaacagggat	cctccagtcg	tgtggaccga	cccaggtccc	gcaccctttt	taaggcctgt	960
ggttgcggatc	cgcgcggcca	tcacgcattg	catcacggtt	ttactgtgtg	ggaaacgtag	1020
ccgtccatac	ctgggtgtag	tcagggaacct	ttatggtggc	tgtcacgcag	gcgatttgnc	1080
aattgaaaga	ctttnnccctg	taggnanggg	nagctaaaaa	gat		1123

<210> 117
 <211> 1116
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 1116
 <223> n = g, a, c or t(u)

<400> 117

aatttttttaa	ccnccccent	tttnaagntt	gaanttgcen	tgccctaggag	ccctattttt	60
cccccttgna	anttttcccc	gtaaataagg	naatgntgna	nttgatttta	ncttgcccaa	120
aaaaaacnnt	gttcttnaat	gcaagggtant	tgggggttat	tattntgaaa	ggcaactaat	180
tnntaatggt	ggattnaaca	attttgaagn	ggattaaana	aaanaaatna	ttgntttcca	240
ttggnggtgt	gggnttaaaa	cccttggttn	ccagggttcc	antgggttca	ggccctttga	300
gngggntccc	cnttccccgg	gaatnggntt	gaaccggaaa	ttgaacattt	tgaccccttt	360
tccgngggcc	cttaaggatt	gcagcnccag	ttgcggggaa	ggggtaattc	cttgcccncc	420
gtggaagggg	tttcagnttc	cttcccaacc	ccccccgggc	cgggagtcgg	gngggcggtt	480
ttntttcacc	ttaaggcgcg	gcgtggantt	aaattaagcg	ccggggnggg	ntcccaagcc	540
ntccggcccc	gctttggttc	cttntgggcg	ccgggggcna	acggccccng	gggcttttggg	600
cggtnntecn	nccggccaac	cgggncccg	ggttgntggg	ttaggccagt	gcaccnggag	660
ttncgggggg	caaccaaagt	tccaggactt	angctntgca	aggagtttgg	gataggactc	720

ntacaatggt	ccctccctcc	gtttgcccc	gaggcccttt	gggagctggt	tnatcccaga	780
actcagtgag	tcactctcat	gaagcacggt	tggctgcttt	ggaatgctgg	gcaaccccag	840
aacacagtgc	tgtactagta	cacacacaca	cacacacaca	cacacacacg	ttacacatgc	900
tgacacaaac	atgaaaatgc	agtcaacggc	aggcagagat	ggatggatgc	acattgctgt	960
ggaatggtac	actttgcacc	tcacactctt	ccagagggac	agtccataca	acactcagct	1020
tcgcttccca	ctataggctt	cacatgacca	gctcttcagc	gtcggaaagg	acngtactga	1080
aagacttnac	ctgtaggnng	gncagctaaa	aagatc			1116

<210> 118
 <211> 900
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 900
 <223> n = g, a, c or t(u)

<400> 118						
ggnggttngc	tctcagatgc	nagntacnnn	tcagggggng	tctcacgaga	aaanctnatg	60
tgtgggggnt	antntgtatc	ccctnnnctc	nctcgaganc	ccnnntctcg	anattttggn	120
gaccnggggc	cggggcccag	anactcncca	cccctatggt	ngaccctnta	taagtgtcnn	180
ccagggnttg	ttttgggnaa	aatatancnn	anagnngtgt	ntntnanatc	tcgggggggtg	240
acagaccenn	attttttttt	ataaagaccc	ggggcatntt	ctcngccccc	tctcctcngc	300
tacangnnac	ccacacacag	tgtgtctcct	ctcagccccc	tggcacactt	tntntngant	360
cngnggggat	atgagattcn	cnagactggg	nccgcnnntan	tannccccc	cntgtctcct	420
ctcatagtgt	ngtgtccccc	cctcaccenn	tnttgnngtn	ccctacaccc	acacaaatnta	480
gactctnccc	ncntcngct	ntgngacnca	canctgnaaa	tcccgnnnncn	caaaaagggc	540
tgtntctctc	tctnttaacg	ggnggtcncc	cncnnnngac	tctnaaangt	ccctcncaaa	600
agggacnctt	ttctatacac	ncttantttt	cctcctttgt	ntngcaaaaa	annancctgt	660
gttnccccc	nctttatnat	ntttntttt	ttcccccac	taanccttta	ggnnntnanct	720
tccggggccc	caaccccaaa	atcccantnt	tctttntnt	tggttggggg	gtcaaaattc	780
ctncccttaa	anttttgaac	cccctttaat	tcccccccc	ggntnaaggc	ccnacttccc	840
tnggntnttt	tcnctaaaaa	attttttgtn	gccctccctg	ggaaatcccc	ggtattcctc	900

<210> 119
 <211> 498
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 498
 <223> n = g, a, c or t(u)

<400> 119						
atgttgtgtg	gaattgtgag	cggataacaa	tttcacacag	aattcagaag	gatctcagaa	60
attgaaagca	tgtgcaaaga	taaagatttg	gggtagtagt	agtgggtcaa	agggacaagg	120
taataatggt	aatatgcttt	tgtgtatgtg	ttctttttaga	gttatgttaa	aatctagaga	180
agcaaagtcg	attctcatag	atgcttttag	tctttggacc	ctgactagag	acagtttaca	240
ccctagacaa	gagagagaat	ggggttgagt	aaaacagtcc	tcccgaactc	tccacagatg	300
ctttggcaaa	agaaggaaat	gagcttaaac	tttttggagc	tctcctggga	acagaaggag	360
gtgggagacg	tcttgccctc	ttgctgctcc	tattggagaa	gtgcttattt	ctgggtcttg	420

gttttttagg taggntgtct ggggtcccttt ggtntgaaag accttacctg taggtttggn 480
cgntngaaaa gatcntgg 498

<210> 120
<211> 380
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 380
<223> n = g, a, c or t(u)

<400> 120
aatggnggt ttccgaaaan aacgcnaaaa aaaaagttag ggaatttggg gaattaagaa 60
nccgggaacn tgnaaacatt gaccaanctt gttttaatta ccggtttggg gnaaaagggg 120
caaccccaaa ggggaaggga anggaangga aaatnaattn ccttttnaaa aaggagnaaa 180
tncgggtang gaaaaattccg gtgnggggtt ttcaaaggtc cccccccggn ggnntaaaaa 240
attgaagttt antcnngggg gggaacccaa nagaatataa anaaaccggg gtttccccc 300
gggagttcct tgggggtttt ccggttcgac ccgncgntta ccggaaacct ntcncctttt 360
tcccttgggg nagggggggg 380

<210> 121
<211> 998
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> 1- 998
<223> n = g, a, c or t(u)

<400> 121
acatgtacac aactgggtcc cagccaagtc aggttccagc tgccagcaga ggcctggagc 60
tagcttcgcg tgactacca ccctgcccac cctggcactg tgcccattga cttcgggggg 120
ccgggggagc gaggtaccca cctccccacc ctctctctcc ctctctctcag gagcttatct 180
atcgttgagc agcaagtagg aaaaggtaag ctgagaaaga gcacttggct ggctacagga 240
cctcagcctg aggtgtgaaa caggagactg ggcaactggg aaacagcagc actggctggg 300
ccaaagggga gggaggaagg caatgaatgg gcaagcctgt gccttacaga aacagactcc 360
cttgggctgg gtgctggaat cctaaccctc cagtgtggg ggaactctgc tccagtggagc 420
tgaagtatac atgtggggaa ttgggggggt gggtaggggg aaggcaatcc aaaggctcact 480
cccctgacct agttggacca cagttaatta aggtcccaa gccctgctga ctcttnacgt 540
ctggtttctg gaaagaaggg agttaatcag caaacaattt aagaaaggta taactgtcta 600
cccctgcaga ggatcatggg ttncctctct anncttctga gccgtggatc tcagccaaaa 660
acaaaaacca aaacaaagaa acaaacgcct atttaaaagg ggggtggagt tgggcagggg 720
tgaggtngtt agatcatctg agagctccag gacacgcana tagttgaaga ggaaaccaag 780
atccaaatgt cttctgacat cacacgggat gcagcagcac accaacadat actttancct 840
cnccagagag gaaaacaacc gcctagttaa taagcagagt tgggctgttg gcaaacgcgtc 900
attccagatc tgaggnaagt tggatgggtc ggtgtgtctat gttnacntaa gacctgtttt 960
acaagctnnt atgggcaagg gctttgggtc nagnaagg 998

<210> 122
 <211> 970
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 970
 <223> n = g, a, c or t(u)

<400> 122
 ccggtcnccg aaggannttg aaccttcccg gtttttaann aanacccgna tnttcgggat 60
 tgggttttta acggcttttt ttanaaggcc nagataccct tttnatggcc tttattccct 120
 tccgtttntt tccccccctt caatttgga gtttggttg ccgaanttta agttnttgct 180
 ntctncgtt ntttttttcc nttntttttt cccaaaagta acaanccggg attggtttcc 240
 aaggntnttn ttgaaccggt aatngcggnt ttccggttaa ccnagggttt gttcctnngc 300
 cgnttcctcc aatttttgga ntttcccagn tnggggtccn ttntcttggt nacngttcca 360
 aacntaattg acanttaatt tttcctgtgt aanttgtccc cgganattnt gggntcttgg 420
 ngcagggcct tttttcattg gaagcaaccc cntaaatttt taccaggctt gattgtttag 480
 gaagtaatcc ttgcttngaa nccccacttn ttntttccaa ggntggaaac caggattttg 540
 gaactgcaga ggcttcaggg tctgggaagc ggagcangca aagantggag tgcactgtcc 600
 ttttgcaata tggggtttgc ttgcttgctg gctcntntcn tgctntntca gatggtgact 660
 gaggctactt cagcaggact aggaataatc atgtccagggt ggntgccctt ccgagcagaa 720
 agggacagac gtggggcgat gaagtgtcta tegttttttt ttttttctgc acagactgca 780
 aagtgtgcag agggaggagg gctgtgcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 840
 cgaggacgca gaagttagac tgctgaccca tttggtgcat gtgtgcccac ggaggaggag 900
 gaccttctca aaagggttca cgcagcaagc attgaaagnt tccacntgta gngtcgcaag 960
 caactgagat 970

<210> 123
 <211> 884
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> misc_feature
 <222> 1- 884
 <223> n = g, a, c or t(u)

<400> 123
 ngggccccc tcgaggtcga cggatcgat aagcttgagg gaccacgctg atggaaaggg 60
 agaagcaatt tagtgtcctn tgcctctga cctccacaag tgctgtggca tggggacaca 120
 ggactgtaca cacacacaca cacacacaca cacacacgca cgcacacaca 180
 cccctcaagt aaccgtggaa taaagggtccg accagaaacc acgctggaac gggagatgct 240
 ggagcacatc aggggtgtgc taagcagcag atcggcctgt aactggcagc agagggtgtg 300
 ggctctttca gaaccaggag ggcctcgccc ctccagccag actctccagc tttcttcccc 360
 tccttgctc ctgttttctt tctgcctacc ttctttggc ctcaaaccat aatgtgcaac 420
 acattcaaac tgtagtaagt gttttaattt tctactaaac aataaaacct ttagattttc 480
 actgggccag tgctggtaac agcagactgg gtggagtatc acagagggtg tggagcaagc 540
 tggctaccca gggctgggca cactcaacac tctggcattc ngtggaagtt ctgggcagta 600
 aaaacagaag canacgtcac gcacaggttc catagtgtna ggcattctaa tctancnaga 660
 anacctggtg ttnagtntgt nnacaaaann gantgntgna cttggacagn ggtgtttttn 720
 tcccagggtt tccaggantt aggggtatcc caggccann acattgggna aacgtgtgtg 780

tnaannnttt cntntnaaac cncnnnggtt gacnactngn nntcctnttn aanggnccca 840
 gttcccccttg gggggttngn tntggaaaaa ggctttccgg ttcc 884

<210> 124
 <211> 855
 <212> DNA
 <213> Rattus norvegicus
 <220>
 <221> misc_feature
 <222> 1- 855
 <223> n = g, a, c or t(u)

<400> 124
 ccccttccgg ggggtttana anggaatnaa tgggtntntn ccaggggggg aaacccttna 60
 ccgcgngcct ttcggaattt tngtccaccg naaaaaattt nccatgngca ccatgnaagn 120
 tnacgagggn attnggggtt anagttttgg agtgggccaa nangaacatg gaggaatatt 180
 tgttttgggt tngaaacat accttgga aa gattgtattt ttatccgccca acaaccacng 240
 tggtaggggt ttttttgggt tgcagcagca gataagggca gaaaaaagat ntcagagatc 300
 ctttgatntt tnttcggggt ngacgttcat gttgngngga ttgggagcgg anaacaattt 360
 cacacagcaa ggagaggagc caatatagag gggaaaaaaa aagaaggggga aagcagttag 420
 tttaaaaagt tgagagaaca aagtatgttt tgnttgatg ggcaaccaaa gaagcntgcc 480
 aggaatgggt ggtaaaagggt gtaagagtca tgaaagtntt ctgtccaacc gttaccggaa 540
 acatgcaagg aatttcttag actggccagg attggattgt gggaaaggtn tnttcaagcn 600
 tccccctggc ttttatggca agaaaatagt gcggactata gagagcgtcg ttctcaaagc 660
 tttcccaaat agcagaaaag cattgtccta aattccctaa aaggcaccgt gaaataaata 720
 ttacgggaca cgatggcaca agaaggagct ttcaactctg ccaccagaac agttatactt 780
 catagtaacc atgttgccct gttcaatgac aaggcacgct ctccagcaga aagggaaaag 840
 gagctgagtt cgcac 855

<210> 125
 <211> 1059
 <212> DNA
 <213> Rattus norvegicus
 <220>
 <221> misc_feature
 <222> 1- 1059
 <223> n = g, a, c or t(u)

<400> 125
 caatttttaa aaaaaagaat ttgggtttta tccaaaantt gnnncaaaaa ttggttgacc 60
 ntttnaacc caaaaccatg nnttgnctt tcccctnacc ngtnatagtg nttgnantgt 120
 aaccaacaa tcaacggnta tttgttcagg gantntttgg taccaggcnn ttggttttga 180
 naanacggta ggtccgggaa gcnttgacgg taagcccngg gganaagggc caacggngat 240
 cccaaattag gagcttgacg cattgttttc ntttgcntgg aatgncattc ttctcttctc 300
 cntttatcta gaaaacgntt actcatgctt caaanccacn gttgacttcc ccagcattgn 360
 ttcnctagc tccttctttg aaacaactga ttgggaaatc aggaggatan gaaaagcttt 420
 aacaagagct ttcaggggct ttcggagaga actcattctt gtaggacgca ggccatgcaa 480
 gcatcaggct ctgccttctg gacccagta tacagacata tgcacaactg cagtgggttca 540
 tacttgtaat cccagtgtta ggaagactta gacttgagc ttgctgggtca gactggtaag 600
 cccagttcag tgagaccctg acttaaaaaa gaagtggaa agaaatttgg aaagataatc 660
 tggattcat ctctgggctc tatttgacac ggacacacac caaatatacc aatataacat 720
 acacagaaag agaaggggag ggaggaagag agggagggcg gtagagaact tgtgaatgtc 780
 ttttgatagg ttttttttta agttattgga ttaaacatc agcagtgtca cattgggtta 840

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gttaaaaaata ataaaatgaa gcaacttatac tttgctgaaa ttcattactc attatgagag      900
tttgataaaaa aaaaagagga gtctcccaca gttttcctgt ctcattctttt actccagggg      960
acggtcacac  tattcagtaa gatacctagg ctatctggct cactggactn ggcgtgaaaag    1020
actnnacctg  taggtttgng cgctgaaaag atcttnaac      1059

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<210> 126
<211> 1042
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 1- 1042
<223> n = g, a, c or t(u)

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<400> 126
aaacncttgc tgaancccca aatcctnaga atnttttnaa aatccccng gggngnagcc      60
aaatttaacn nttttttcca agagcatgaa cagngngatt cttggganag ctttnggggtt    120
ccctttttnt naatcnncat ngagggttct aantgaacct naagggnatt taacttttna    180
tggaacaaac ccgttggtgt gtccctcctc tggaganttg agttggaact taaaaaaaac    240
ctttccnaaa aattgtgtaa tctgantcca aacccaaatg aggacaaatc cagtgttagga    300
ggnatattagg caaattaaac tgacttggtc aactttctga aaatgatgtc ttgatttcag    360
gaaggatccc cagtgcntcg gggacntgaa agggagatgt aacccttgag ctcattggnta    420
ggaagggaaa tcttagagac agcttggtaa aatctgagtg aggttgagag gttggaggac    480
cacattgtgt atntgctcat ccctgtgagg gagagacttg tactctgtctc ttgagaaggc    540
agaactgtta ggcagacact tagagaatat atgtcatggc aaangacatc caccacaaca    600
gtcttcagta acaaagcact aaacagaaaag gggttgaaga gacttggtca gtggcatgag    660
agnttttatt gctcttacag aggactcggc atgcntagca gctcacaaca gcctgtgact    720
tcaacactat gcctcttggc ctcaggagac acctgtgtac tcccaccng acacatatac    780
ttaaaaaata aagaaatctt ttaaacattg agcaaatgta atcagggtact aacattgaat    840
atatctgggg ccaggaatta ttctggttta ttgccttttt cggaagccta atatcacaca    900
tagagaaata ggcagcacag gcctaacagc ccatantgtg tgctattcta tcaatagtgc    960
caagtattga catggactat tnttaaggcc aaangagagg tcnccagaaa gttatacatg   1020
taggttggcg cgctgaaagg at      1042

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<210> 127
<211> 960
<212> DNA
<213> Rattus norvegicus

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<220>
<221> misc_feature
<222> 1- 960
<223> n = g, a, c or t(u)

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```

<400> 127
ggcccnnaat naaanggnng gttgaacccc ntntngaca ngntgccc aaantacnggn      60
aaccattncc naaatttnna agtggtggat naaggcntgn cccatnatcc tccctnttga    120
ntgcncccaa agtaaagncc aantttaggg ngganntttt ttgaaacgta attaanattt    180
ttccgataag gaaacggagg cccgggaant gatccntttg gagttaccag gtcagtttag    240
cattaggntg acagttgnga ccaattnatc cttgcccgtt ggttggaagg agaggggant    300
aagggttaag ctcttgagtc ccttgaaggc cttggaatcg ggaattccct taaagccaac    360
ccctttgccg ttgaactgca ccaaccagat gtctnccagt ttgcttgaag agacgggatt    420
cantgntgtg gagaggggca ggagggntgg gaggtgacnt nacaggggtc agggattctt    480

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ttagaaggg	ccaggctcat	ggcttcccc	ccccccagcc	aggtcagaca	ctaaagtgtc	540
ttaagcccct	ccatacctgc	cgctccccca	ccttgatga	agccggccat	taggcagga	600
ccgtctctgg	gagaggccaa	gccctctggc	tcaattgtgg	atttccttta	agcaagactt	660
cctctctgct	tccaggactc	ctgtcaaaca	agaggggtccc	tggttagag	tttgggagct	720
gcaggcagaa	cagacattcc	ccgatgactc	acaagcctgg	aactctgtgg	gccagcagga	780
atggggatgg	ctttctggtc	agtcagggtc	aactgggaca	ctcactctga	gacagggagg	840
caagggagaa	acaggtcaga	ggtagagaga	gctcagtcca	gggactcacg	gtgaggtccc	900
taaggtgcgt	agggagagga	tntaacattc	ggtttggnna	gctagaaaag	atctntaaaa	960